

A free world education eBook

CASEBOOK OF BIBHAS DE

HOW THE CIGARETTE-SMOKING MAN GASLIGHTS US

*Nobelist David Gross is a dynastic influencer;
a powerful bastardizer and froufrou-izer of physics*

At Lake Constance a reporter asks David Gross
what his one addiction is, other than science.
Between puffs of cigarette, he replies: Coffee.

He queues up to sign the
Mainau Nobel Laureates Declaration 2015
to save our environment.

There's some heavy irony there.

WHEN "EGOTISM" BECOMES A BENEFICIAL WEAPON:

We are way past the Age of Enlightenment. Now it is the Age of Fakery. A person's acceptance today as an educator/enlightener of the public is controlled by his establishment and the media. Everyone not thus anointed is excluded.

This excluded group today is in truth the purest source of public good. They seek neither your money nor your adulation. They seek to free you from the falsified universe in which the anointed ones lull you, bilk you with great ease, then sit back and let you feed their Narcissism.

Who has set up this gatekeeping system that a person's value to the society must be certified by the establishment and the media? The establishment-media complex. They are up to no good.

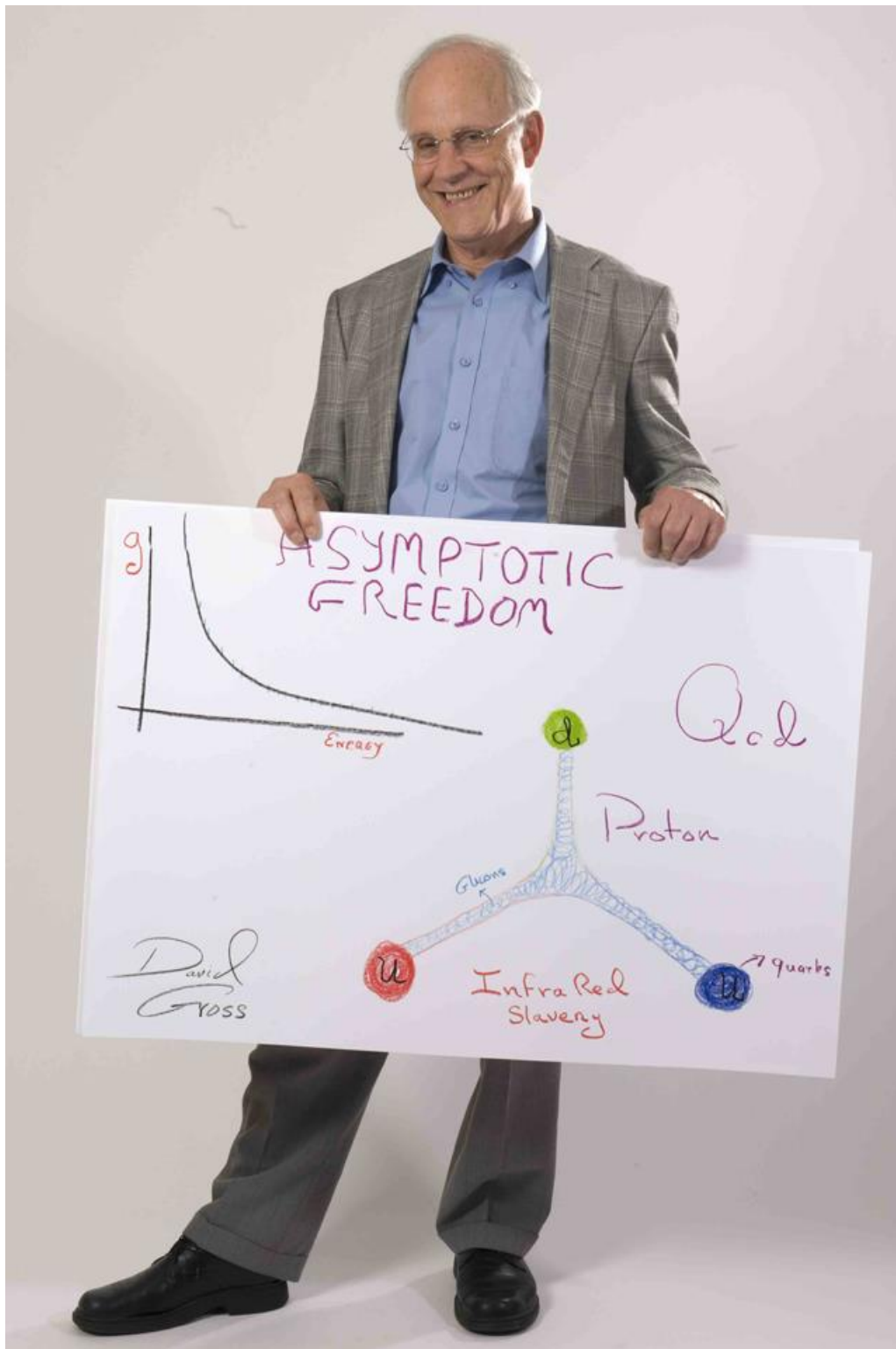
The advent of the Internet makes it possible for the excluded persons to speak directly to the society. But the society's receptivity to this still remains at zero. They look at the name and say "Never heard of him."

To prevent the old order from corrupting the world, a lone person with liberating knowledge for the society should shed that modesty which some may conveniently require of him, and promote himself (truthfully). He in effect has to become his own media.

The blaring megaphones of los hombres malos must be silenced by the lone stranger's flute of many notes. On the high chaparral – at high noon.

PART I

ASYMPTOTIC FREEDOM



Asymptotic freedom is a theory about subatomic strong forces and how they bind the fundamental particles. The theory was advanced by H. David Politzer, David Gross and Gross' student Frank Wilczek. After this theory stood verified by experimental data from large particle accelerating machines, the trio received the Nobel Prize in Physics in 2004.

I have no opinion about the theory of which I do not have a good grasp. My issue is with the verification. It was total sham – promoted as successful verification by every single party involved. This is how the Nobel Prize came about.

Imagine that a group of plate tectonics geologists came up with a theory about the formation of the Himalayan range. They developed a profile of the mountain range. It generally fit the range overall but missed Everest, Kanchenjunga, Dhaulagiri and Manaslu altogether. Then I say that there is no verification.

It is as simple as this. There's no deeper or higher or more intelligent consideration that says otherwise. This is the case with asymptotic freedom. Gross has no consummated discovery and no scientific authority flows from there.

A GRAPHICS REPRISE: A beautiful question

October 17, 2015

Frank Wilczek, David Politzer and David Gross were awarded the 2004 Nobel Prize for physics following the experimental verification of their theory regarding asymptotic freedom – the last step in installing the Standard Theory of elementary particle physics. I have stated that this verification is a sham.

Am I an expert in Quantum Theory? No. In accelerator measurements? No. So how I can I make that statement in the face of overwhelming endorsements? Because the sham lies at the basic level of theory-experiment comparison in science. It has nothing to do with all the highfalutin talk about quantum theory math and accelerator technology attending this discovery – which talk has kept the sham at the core obscured from the public eye.

First, let me make a few ad hoc statements which you should find self-evident to the point of truism.

THEOREM: A two-dimensional $[y = f(x)]$ agreement between a monotone ascending/descending theory curve and relevant experimental data is not necessarily a guarantee that this theory is exclusively correct.

Corollary: When there exists only one theory and when it matches experimental data, it cannot be said to be the

correct theory without independent scientific grounds why no other theories are possible.

Corollary: *When multiple theories fit the same experimental data set with comparable statistical significance, then additional studies are needed to determine which theory is correct.*

THEOREM: *If an otherwise smooth experimental data trend contains discontinuities or other sharp features, these may be real or artifactual. If real, then a theory that does not predict these features cannot be taken to be the correct theory. If artifactual, then substantial portions of the data set near those features are suspect, and there can be no conclusive experimental verification.*

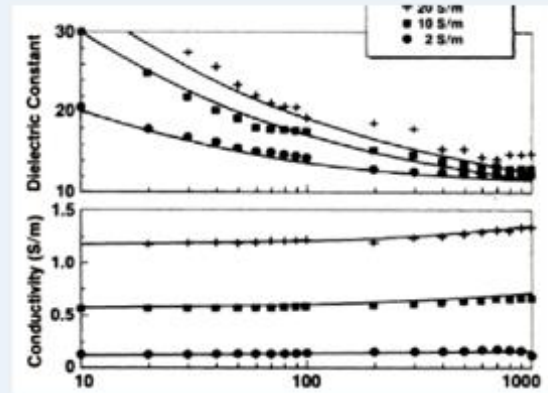
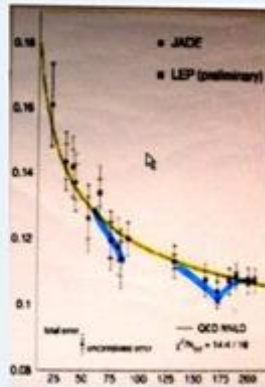
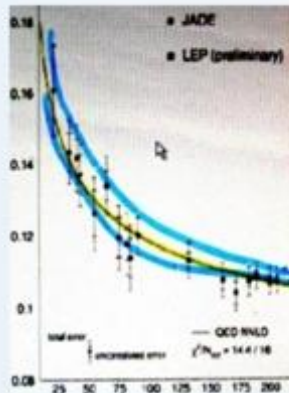
Corollary: *These problematic portions of the theory-experiment agreement must be explained (not explained away) before the overall agreement can be accepted.*

Now reconsider the following graphic. Note in particular that I am not raising any issues with the Standard Model nor am I questioning the accelerator data. I am simply asking whether there is actually an *experimental verification* in this impressive diagram. This question is within the purview of any scientist in any field. This is the "beautiful question." Do not be distracted from it. And do not be intimidated by the "You do not understand" routine.

A SNAPSHOT FOR LINDAU NOBEL 2015 ATTENDEES: **DAVID GROSS**



At LiNo2015, look for Physics Nobel Laureate David Gross to pony up on the Big Bang bet he so publicly made at LiNo2012. Besides promoting Big Bang (long placed in scientific evidence as a fraud by me), he also promotes String Theory, essentially a device for physicists to engage in intellectual autostimulation. So the central question is: What exactly is *his* scientific authority? His discovery is *asymptotic freedom* (part of "Standard Model"). This is a sham. I discussed this years ago, but let me give you a gist. Consider the figures where something is plotted against something else (never mind what things.) The theory (continuous line) and experimental data are compared. Such a comparison led to the 2004 Nobel Prize in Physics to Frank Wilczek, David Politzer and David Gross (WPG).



FIRST, in the WPG diagram, extreme left, one can most readily see that a multiplicity of theory curves (bracketed by the two cartoon blue felt tip lines) would fit the data with comparable statistical significance. It is just that there were not presented any other theory curves by any other groups.

So how can the one curve presented be declared the clinched discovery?

SECOND, in the same WPG diagram, middle, you can see that there are sharp features in the data (marked with blue felt tip) that are either true effects or measurement artifacts.

(Pay no mind to theorists dismissing these as statistical scatter. They would!)

If these features are due to truly operative subnuclear processes, then how does the theory curve that misses them altogether become the clinched discovery?

If these features are accelerator-originated measurement artifacts, then large portions of the data set are suspect. There is certainly no theory verification here.

The extreme right diagram is an unrelated experiment on a mundane matter (*Phys. Rev. B* **34**, 5145, 1986.) But this example illustrates my two points above.

FIRST, the good fit here was later improved upon by a different theory by others.

SECOND, if you did not know how to avoid the pitfalls of this experiment, the data set would show a similar sharp feature, resulted from a measurement artifact called phase wraparound. This would corrupt the adjacent data regions also.

The defect of the WPG discovery is at the basal level of theory-experiment comparison. This fact is kept obscured by quantum theory and math and accelerator technology so that no one can see that the "Emperor" is buck naked.

LORD HAVE MERCY! A world education message from Bibhas De 06/23/2015



JTF LiNo Bulletin 2016-1

**LIMPOPO JOHNNY'S MESSAGES FROM
JOINT TASK FORCE LINDAU NOBEL.**

HOW TO SCAM YOUR WAY TO ARLANDA SVERIGE

At this time there are only two centers in the world that train you up to become a Physics Nobel Laureate: University of California, Berkeley; and the Lindau Nobel Meeting (Physics). They both teach you how to scam.

Berkeley has successfully trained up the Lindaunobellers John Mather, Saul Perlmutter, David Gross, George Smoot and Adam Riess. At Lindau Nobel they in turn coach the young attendees. They gratefully give something back to the world.

Take for example the following diagram. You have made a theory (continuous line) on the strong force and compared it with experimental data (circles) from multibillion dollar particle-smashing machines. Your theory is emphatically disproved. End of the story.

But wait! Can you still turn this into a successful Nobelworthy discovery? Not to worry. David Gross will show you how.

Basically, there are two ways: *Graphsmanship*, where you compress the ordinate so much that the dip in the data is washed out; and *Radical Surgery*, where you amputate this portion of the graph and present only stuff to the left of the above diagram.



From my blog *The Dreamheron Chronicles*

THE WILCZEK-POLITZER-GROSS DISCOVERY SCAM

I elaborated on the defect of the Wilczek-Politzer-Gross (WPG) discovery (Nobel Prize 2004) on 3 March 2005. My discussion was based on the same scientific results that were used by the Nobel Committee to make the award. However, subsequently, I have noticed attempts to strengthen/shore up the discovery. I have now chosen to comment on [one post-Nobel paper](#) that is said to present the best possible experimental support for the WPG theory of asymptotic freedom.

In this summary figure from the above paper, a comprehensive set of measurement data is compared with the theory. The data come from different experiments after different types of processing – as indicated in the diagram. It is necessary for the reader to understand that both the theory and the data set go through extensive processing whose effect happens to be to bring them into alignment. But I will not go there. Let's just take the diagram at face value and apply scientific commonsense.

First, consider the solid red circles only. In going from right to left, we see that the error bar increases with decreasing energy for the first three points. Then at much lower frequency the error bar suddenly becomes even better than that at the highest energy.

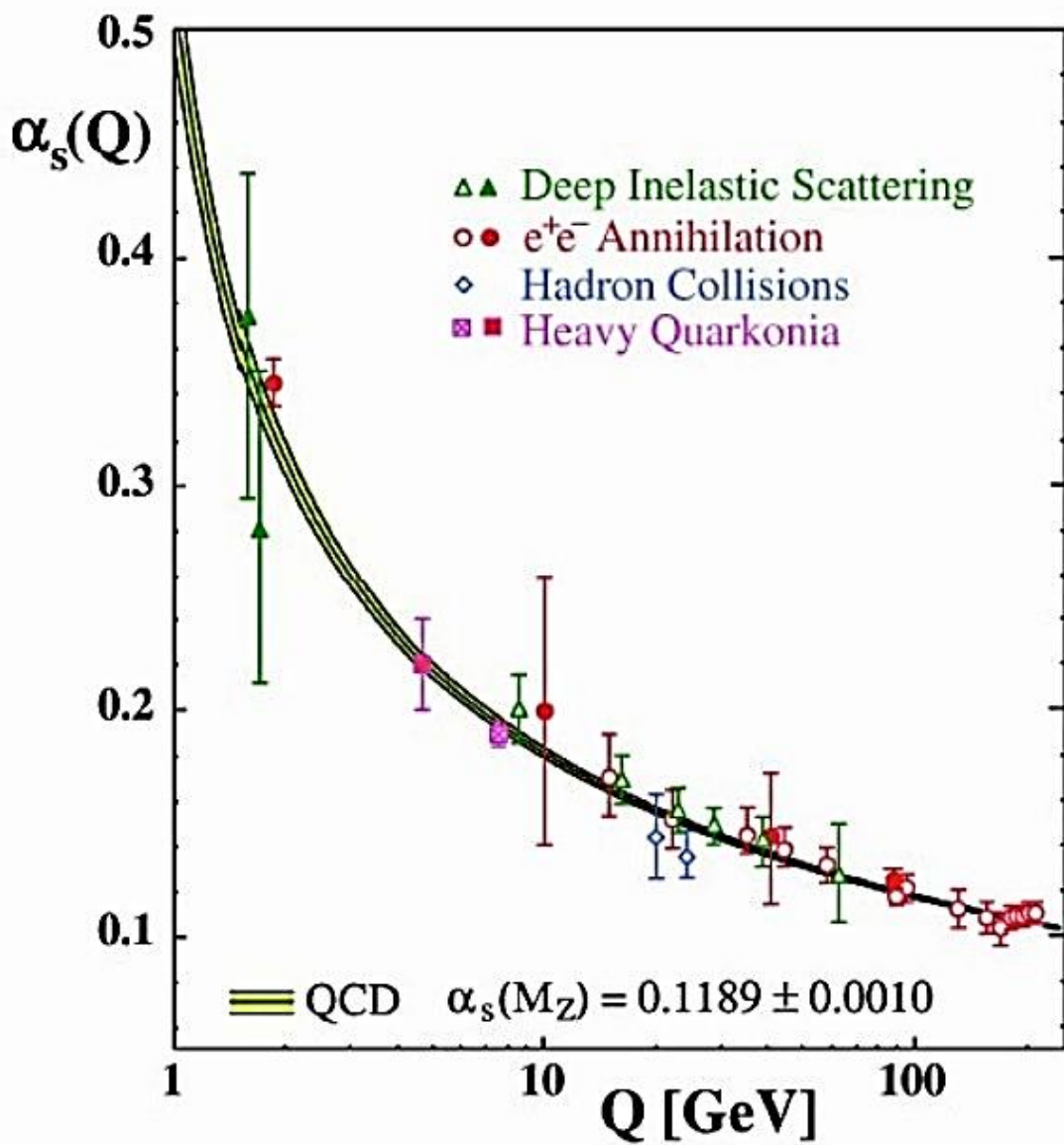


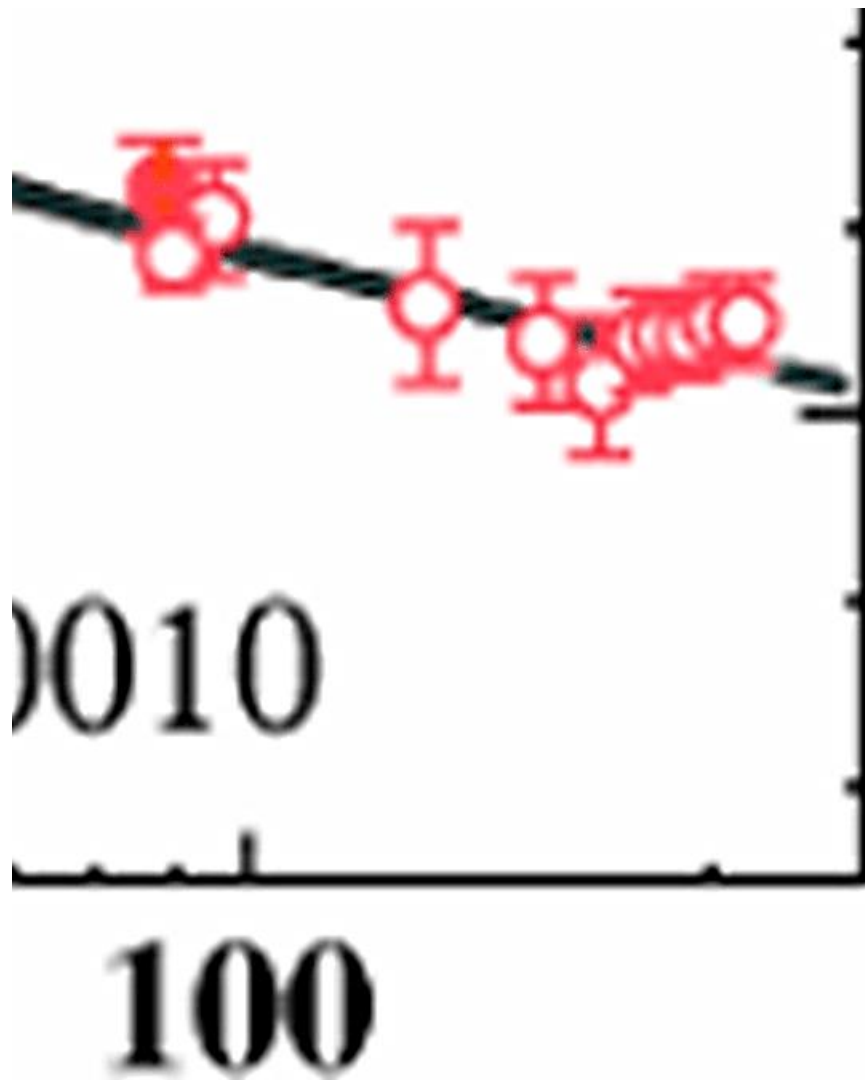
Figure 17: . Summary of measurements of $\alpha_s(Q)$ as a function of the respective energy scale Q , from table I. Open symbols indicate (resummed) NLO, and filled symbols NNLO QCD calculations used in the respective analysis. The curves are the QCD predictions for the combined world average value of $\alpha_s(M_{Z^0})$, in 4-loop approximation and using 3-loop threshold matching at the heavy quark pole masses $M_c = 1.5$ GeV and $M_b = 4.7$ GeV.

This is quite unbelievable unless somehow something about the instrumentation or the measurement methodology has changed. If that has happened, then this data point does not belong with the previous three points. To show the four points as verifying a trend is a scam. The fourth point should be reported as a single point from a different experiment. But such an uncorrelated single point adds nothing meaningful to this diagram.

If you discount such onesy-twosy points (also look at Heavy Quarkonia) as you must, then there really is nothing below 10 GeV to constrain any theory much. Widely different theory curves would be OK here.

So let's look at where the actual action is in asymptotic freedom. By and large, it is in the region > 100 GeV. If the WPG theory is a discovery, then here is where its consummation must be. Here is where the theory and data should agree most convincingly, without any room for debate. The rest of the diagram is context.

Now look at the following diagram – just a blow up of this region, with the ordinate stretched somewhat. What do we see here?



An unequivocal, unquestionable, well-defined dip in the data, even considering the error bars. There is no question about it. The only question pertains to whether this is a real effect or a measurement artifact.

So, exactly where the WPG theory was to match the data most convincingly is exactly where either (1) it fails to match the data, or (2) the data is no good.

I believe the insiders know this and are keeping mum about this. They are knowingly letting unproven science pass as genius discovery.

By no stretch of scientific definition do Wilczek, Politzer and Gross have a discovery.

PART II

COSMIC BLACK BODY

THE BIG BANG COSMOLOGY ENDGAME “PROPOSITION BET”:



Betting on the cosmos - with David Gross and Robert Laughlin

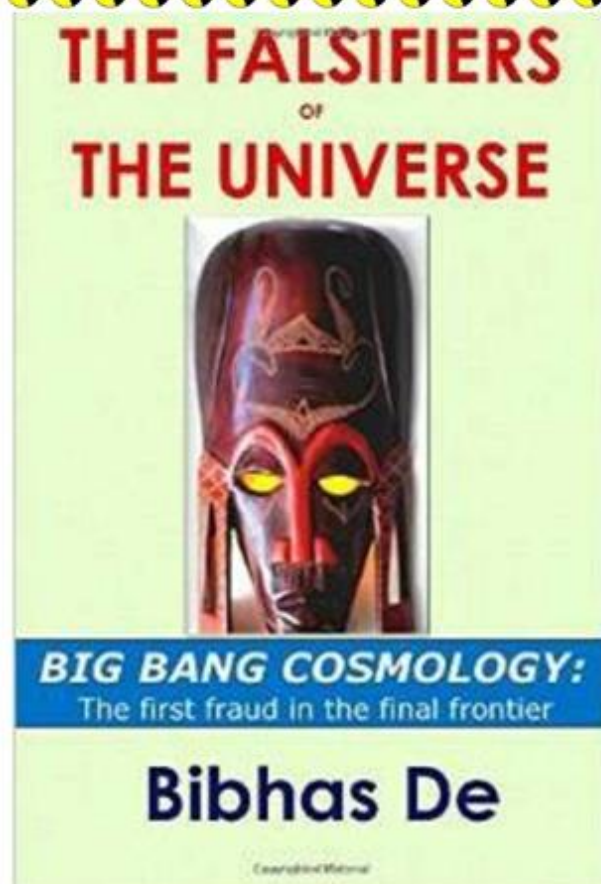
<http://www.youtube.com/watch?v=beQ9fZ0jVdE>

Big Bang Theory and everything it has spawned rest 100% on the discovery of the 2.7 K blackbody radiation left over from the “explosion” of the primordial “atom”. Take it away, and everything Big Bang (including the accelerating universe) goes away.

David Gross has long promoted this black body to the hilt, making statements about its absolute correctness and mind-blowing precision: A precision never achieved in any laboratory on Earth.

He is wrong on both counts. But he does not accept this, and continues forcefully in his flamboyant and bullying way. Much of the science he stands for is rooted in this black body and is hence bogus.

Thus, it is correct to say that Gross has staked his scientific reputation on this blackbody.



UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS

Excerpts from the book:

Slowly abject scientific quackery had morphed into diabolic deceit. Increasingly strident rhetoric about advanced space-age technology and fantastic measurement accuracy was made to swirl around the deceitful discovery. Every power group that could be mobilized to protect the enterprise was mobilized to protect it. Every accolade that could be bestowed to whitewash over it was bestowed to whitewash over it.

It was a very dark chapter of science.

There is a Bengali proverb about sleaziness:
Lewd dancing going on behind the veil of modesty.
Here we have an entire phantasmagoric orgy being played out on the world stage – among the noblest of noble intellectuals. Taxpayers are footing the bill.



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DAVID GROSS, *Physics Nobel Laureate*

David Gross received the Nobel Prize for Physics in 2004 for his work in particle physics. He then expanded his interest to String Theory and Big Bang cosmology. He in fact became a very vocal patron of both fields, and in that capacity, gave much positive media exposure to these fields. This is what he told Television's NOVA program about Big Bang: *And that explosion or hot state left remnants that we can observe today in the microwave background. So we know that that aspect of the theory is true.*

And since the Big Bang explosion did take place, he concluded, we need a new theory to understand the earliest times of that explosion. That is why, he said, we need String Theory.

So Gross is in fact pushing not just Big Bang theory or String Theory, but he is pushing them together as interrelated sciences. With the power of his Nobel Prize, he is leveraging one bad science on another bad science.

David Gross has continued zealously in his campaign to promote the fraudulent 2.7 K Big Bang blackbody. In the Lindau Nobel Laureates Meetings in July 2012 there was a discussion session involving Gross, Robert Laughlin (a physics Nobel Laureate) and some others. Gross forcefully averred: *We have to recognize that microwave background is the most perfect ever measured blackbody radiation – ever – any laboratory on Earth ...*

When Laughlin expressed doubt, Gross said: *You wanna make a little bet ...?*

The wager was made but Gross was never heard from again.

A world education message from Bibhas De 12/21/2015

“Wanna make a little bet?”

NOBELIST DAVID GROSS ISSUES CHALLENGE ON BIG BANG BLACKBODY SPECTRUM (*HE WOULD!*)

at the Lindau Nobel Laureate Meetings, July 2012

THE BIG BANG COSMOLOGY ENDGAME “PROPOSITION BET”:



Betting on the cosmos - with David Gross and Robert Laughlin

<http://www.youtube.com/watch?v=beQ9fZ0jVdE>

PHYSICS NOBEL LAUREATE DAVID GROSS (extreme right): We have to recognize that microwave background (Cosmic Microwave Background Radiation) is the most perfect ever measured blackbody radiation - ever – any laboratory on Earth...

PHYSICS NOBEL LAUREATE ROBERT LAUGHLIN (extreme left): Let the record show that I do not believe this man until I look it up.

DAVID GROSS: You wanna make a little bet? (A bottle of wine was wagered. The blackbody Gross confidently bets on is a total fraud. No news yet on the settlement of this Big Bang derring-do!).

A world information message from www.bibhasde.com 07/2013

FISTFIGHT AT THE O. K. CORRAL

(OK = Der Oberkommando des Konstanz, LiNo= Lindau Nobel Meetings)

LiNo 2012: Gauntlet is thrown publicly

Physics Nobelist David Gross:

There is a pristine Big Bang blackbody
on the sky – best evidence ever!

Physics Nobelist Robert Laughlin:

I don't believe you!



Ya wanna duke it out?

OK, meet me at Lindau 2015 at high noon!

LiNo 2015: Hightailing it at high noon!



**No Big Bang blackbody on the sky
- never was, 7 Nobels notwithstanding!**

A world education message from Bibhas De who exposed that the multiply nobeled blackbody was a fraud.

06/2015



LINDAU NOBEL MEETING 2019 HEADS UP **NOBELIST DAVID GROSS:** ***Der große Wettanbieter***

You are likely to see David Gross at the German meet. He is involved with Particle Theory, String Theory and Multiverse, and Big Bang Cosmology. He is also a LIGO promoter. He loves gabfests. So he is a natural at this summer's meeting. He is also teacher to Nobel Laureate Frank Wilczek and Crafoord Laureate Edward Witten. So his role as an inspirer is unassailable. Only, for your health's sake, when he inspires you face-to-face, just stand a little away from Physicsville's own Cigarette-smoking Man.

But there is a little pending Lindau Nobel matter: In one previous meeting, he very flamboyantly bet on public video that the 2.7 K cosmic blackbody is there in full glory, beyond any question. He did not address this matter when he was at the next meeting. He needs to do that before he dispenses any more inspiration.

You see, this blackbody upon which the multibillion-dollar Big Bang enterprise rests has long been placed in public scientific evidence as a fraud. There is no such blackbody on the sky, and there is no temperature on the sky. The repeated experimental discoveries of this blackbody were all scams or frauds. For theorist Gross to promote it with such gusto is abhorrent and despicable scientific conduct. He needs to address this conduct.

If you do not hold him to account this time, if you let his deliberate lies to the world stand, then you are letting yourself be inducted to this rampant culture of fraud in the physics establishment. That is what you will wheelbarrow home from Lake Constance.



Duty to Inform

Bibhas De 01/14/2019

LINDAU NOBEL LAUREATE MEETING 2016

Out of scores of physics Nobel Laureates, the organizers have pointedly chosen David “Betting Dave” Gross as their mascot, and Big Bang Cosmology as his symbolic backdrop.

Their inspiring message to the world’s young is clear and crisp: Gross is our gold standard physics Nobel Laureate, and Big Bang is our gold standard Nobel physics.

Gross is a scam discoverer and Big Bang is a fraud.



66th Lindau Nobel Laureate Meeting

26 June – 1 July 2016

The 66th Lindau Nobel Laureate Meeting (#LiNo16) is dedicated to physics and will bring together Nobel Laureates and young scientists from all over the world. By November 2015, already 27 Nobel Laureates confirmed their participation.

Contact Nobel Laureate Support



So folks, I have taken a proportionate action: I’ve appointed my good buddy Limpopo Johnny the bushveld scam-buster as the watchdog for LiNo2016. He will watch over the young

people and keep them safe from the shammers and the scammers and the fraudsters that the organizers seem to be planning especially to bring to Lake Constance. (Image: touruganda.net)

DEBATING CHAMBER FOR HUMAN RACE

From the Canary Islands to Lake Constance – o how they scam!

The *Starmus Festival 2016* in the Canary Islands next summer will give Stephen Hawking the patron of Big Bang Cosmology fraud the feting of his life. The honoree himself has issued high praise for this grand plan:



"With its next edition, Starmus confirms its position as a unique debating chamber for the future of the human race"

Prof. Stephen Hawking

Four scamming Nobelists will be on hand to fete the Big Bang trailblazer:



David Gross
Physicist, Nobel Laureate



Adam Riess
Astrophysicist, Nobel Laureate



Brian Schmidt
Astrophysicist, Nobel Laureate



Robert Wilson
Physicist, Nobel Laureate

All images © Starmus Festival

After they party hearty in the Canary Islands, David "Bettin' Dave" Gross and Brian "The Weightlifter" Schmidt will head for the *Lindau Nobel Laureate Meeting 2016* by Lake Constance, Germany, to train up the young talent picked from around the world on how to scam, and thus become fruitful members of the *Age of Fakery*. We are truly looking at

STAR CHAMBER FOR HUMAN RACE

LORD HAVE MERCY!

A world education message from Bibhas De 12/04/2015

LINDAU NOBEL LAUREATES MEETING 2015

These meetings will bring together some 65 Nobel Laureates and some 700 young people from around the world. The purpose is to inspire the young with the fine examples of the Laureates. Here is a smattering of these Laureates and why they are such an inspiration:

ROBERT WILSON (Physics, 1978): He claimed to have discovered the Big Bang relic blackbody radiation in the sky. There is no such blackbody, period.

GEORGE SMOOT (Physics, 2006): He claimed to have made skymaps of the Baby Universe. The skymaps he discovered have not been shown to have any age – young or old. And Smoot knew this.

SAUL PERLMUTTER (Physics, 2011): He claimed to have discovered that the rate of expansion of the Universe is accelerating because of Dark Energy. The expansion of the Universe is a scientifically unproven myth, and the acceleration is a cock-and-bull story. A fellow Physics Nobel Laureate at Lindau described Big Bang Dark Matter as “total bullshit.” So’s Perlmutter’s Dark Energy.

BRIAN SCHMIDT (Physics, 2011): Same as Perlmutter.

DAVID GROSS (Physics, 2004): In the Lindau Meetings 2012 he very publicly bet Physics Nobel Laureate Rober Laughlin that there is the Big Bang relic blackbody in the sky – in full glory and beyond a shadow of doubt. This invitation to a duel among the nobles was widely promoted by a video throughout the world. The duo was to come together next at the Lindau Nobel 2015. However, Laughlin seems to have learned that Gross was lying. In order perhaps to not embarrass a brother Nobel Laureate in public, Laughlin canceled out. Thus Gross would not be called out on his lie, and will clean get away.

Thus the true motto of the Lindau Nobel Meeting might be stated as:

Catch'em young, teach'em to scam.

DIRECT OBSERVATION PLUS EXPERT ANALYSIS:

BIG BANG IS BULLCRAP



PARIS HEROUNI: The Armenian radiophysicist and engineer invented and built a novel radio-optical telescope which was enormously better than the antenna with which Penzias and Wilson made their discovery in 1964 of the cosmic black-body radiation. Herouni saw no such radiation on the sky 1988.

He humbly approached the Big Bang community to pass upon his result. To this day it continues to be met with total silence. There is no doubt about Herouni's straightforward observation.

THE FALSIFIERS OF THE UNIVERSE



BIG BANG COSMOLOGY:
The first fraud in the final frontier

Bibhas De

BIBHAS DE: With contributions to electromagnetic theory, and hands-on background in radio astronomy observation and instrumentation, Antenna & Microwave design and measurement, and satellite communication, he analyzed Big Bang discoveries down to the level of nuts and bolts. He found abject

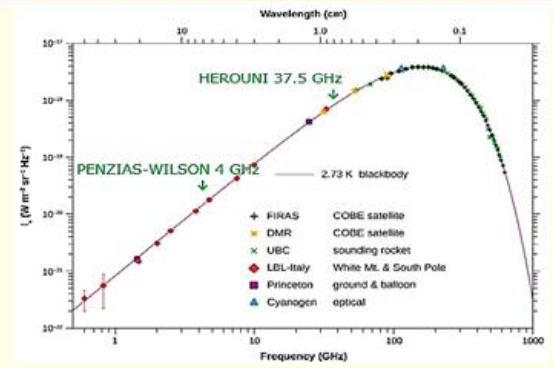
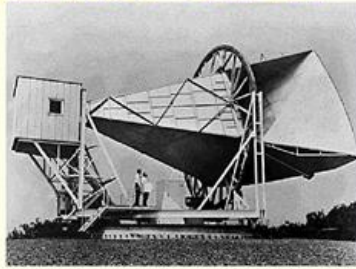
quackery and Clouseau-like bungling in the design and conduct of those "cutting-edge-of-technology" experiments. His report has met with total silence.

12/24/2019

BIG BANG BLACK BODY: YE OF LITTLE FAITH SHALL NOT SEE IT!



Arevik Sargsyan



I was unaware of this until Pierre-Marie Robitaille recently drew public attention to this totally overlooked study by Paris Herouni in 1988 which found no excess antenna temperature at 37.5 GHz, with an experiment (above, left) at least as credible as that of Arno Penzias and Robert Wilson (above, middle) who found in 1964 an excess antenna temperature of ~ 3.5 K at 4 GHz – a temperature that was most weirdly identified as Big Bang Relic radiation (later pinned at 2.7 K.) The two frequencies are marked on the telltale 2.7 K Cosmic Blackbody communal diagram, clinched piecemeal by many observer groups. Herouni's antenna has a larger collecting area; the intensity of the alleged Big Bang radiation is two orders of magnitude higher at his frequency; and there is less environmental noise. Still he could not see this excess power towards the sky. Penzias-Wilson got the Nobel Prize in 1978 for their discovery, and Smoot-Mather (COBE satellite) got it in 2006 for reporting the full 2.7 K spectrum with 50 ppm accuracy in 1990. Later, WMAP and Planck satellites took the spectrum as given, and claim not to have rechecked it even though these were scientifically in the only logical vantage ever to do so.

02/04/2019

THE DEEPER DECEPTION OF NASA COBE SATELLITE

The main mission of COBE Satellite was to measure the full-spectrum 3 K blackbody radiation on the sky, left over from Big Bang. Its justification was the Penzias-Wilson detection of the blackbody at a single frequency in 1964. COBE work started in mid 1970s and the bird launched in late 1989. Now a little plot.

Suppose you are a scientist who likes to bilk your employer to arrange family vacations. So, you tell your management that your project absolutely requires that you attend a conference in Davos. Most impressed by your sense of duty, they approve the trip. Your family gears up for a Swiss vacation. Suddenly one day, you get a notice the conference has been cancelled. What now?! You pretend you did not see the notice, and catch the Swissair flight.

In 1988, Armenian radiophysicist Paris Herouni found by high-quality direct observation that the Penzias-Wilson blackbody was not there on the sky, and wrote to many researchers in the field. This meant there was no justification for flying COBE. What now?! The Herouni observation was deep-sixed. So well-buried was this finding that even COBE dissidents scouring the literature never saw it before or after 1988. The bird flew and made a picture-perfect discovery of said blackbody in 1989. Nobel Prize followed in 2006 even as Herouni work finally stood published.

Bibhas De 12/11/2021

ROCK LEGEND CALLS BIG BANG COSMOLOGISTS OUT

Upon visiting at his own request in June 2019 Paris Herouni's observatory that looked for and did not find James Peebles' Nobel-winning thermal radiation on the sky, British singer Ian Gillan asked:

"It's absolutely amazing. This telescope is unique. It is the most sensitive in the world. Professor Herouni's discoveries using this telescope are world-shattering. I would like one answer: why, when he sent his measurements to the ten greatest institutes in the world to look for any mistakes or corrections, he didn't receive one reply? I think I know the answer: because they made a big mistake. The purpose of my visit is to see for myself and understand the enormity of this project.

Its future is dependent upon the establishment recognizing Professor Herouni's great discovery, which is not just great for science, it is great for the Armenian people. I'm thrilled to be just a very humble part of this, but I would like to spread the message and ask that question all around the world and see what the response is. And if the answer is still complete silence, then we know that Herouni was right."

This silence is totally understandable. The thermal radiation, and so all of Big Bang, is total fraud. 12/18/2019

GREAT SHAME FOR SCIENCE



Rock legend Ian Gillan at the control console of the Herouni antenna in the Mount Aragats in Armenia on 7 June 2019. So deep was the deception by the cosmology establishment in suppressing the damning Herouni observation that a musician eventually felt compelled to step in and use his fame to bring the information to the world. This may be a first in the history of science.

Juicy tales of Big Bang Cosmology told to

THE BUTCHER, THE BAKER, THE CANDLESTICK MAKER

Big Bang Cosmology rests 100% on the discovery of something called cosmic black body, an invisible primal juice filling all sky. Because this juice is mixed in with lots of other local juices from the Earth, it is not possible to make a clean extraction of it unless you get very far away from the Earth. Now consider: If the primal juice does exist on the sky, (1) what is the scientific reasonableness that an experiment below looking for this juice could cleanly extract it, and (2) did the experiment report detecting the juice?

	<u>REASONABLE?</u>	<u>REPORTED?</u>
GROUND-BASED (Holmdel)	No	Yes
BALLOON-BORNE (Berkeley)	No	Yes
ROCKET-BASED (COBRA)	No	Yes
U-2 SPY PLANE (inhomogeneity of juice)	No	Yes
SATELLITE, EARTH-ORBITING (COBE)	No	Yes
SATELLITE, AT SUN-EARTH L2 (WMAP)	Yes	No
SATELLITE, AT SUN-EARTH L2 (Planck)	Yes	No

Science-wise, WMAP and Planck Satellites were the only justifiable experiments to detect the juice. They also had finer-than-ever arrangements on-board to do so. But most inexplicably, it was decided *not to look for the juice*. In 1988 Armenian physicist Paris Herouni looked for the Holmdel juice with a superior ground-based instrument. He didn't see hide nor hair of the juice. Bibhas De 7/26/2019

RECERTIFYING BLACKBODY FRAUD

Lindau Nobel Laureate Meetings 2012, 2015, 2019



George Smoot, Adam Riess and David Gross

In a panel discussion on *The Dark Side of the Universe* at the Lindau Nobel Laureate Meetings, 2019, David Gross emphatically reaffirmed the fraudulent cosmic black body, linking the microwave background to quantum gravity. This is an example of how far, and with how much false authority he continues a fully exposed fraud, to build upon it more structures (39:45 mark):

For example, George measured – or was among a group that measured – the Planck Spectrum of blackbody radiation better than any experiment ever on Earth.

This man is indefatigably propagating his lies. He did not address at the 2015 meeting the very flamboyant bet he made on the correctness of this spectrum at the 2012 meeting. First, COBE satellite was shown to be instrumentally incapable of measuring a spectrum. This rare NASA *inhouse*-engineered pride amounted to orbital space junk. Second, the existence of the spectrum on the sky was *positively disproved* by direct and proper observation.

BIG BANG FRAUD CARTEL: **IDENTICAL LINGUISTIC DECEPTION AT** **NASA AND NOBEL FOR PEEBLES**

The following bits of text I just retrieved from two seemingly unconnected sources use the same deception in referring to the Smoot-Mather COBE Satellite discoveries. They say the discovery was the anisotropy. Recall that the universe-shattering primary COBE discovery was the 2.7 K cosmic black body spectrum. It is deep-sixed, without any explanation or explicit retraction.

Missions Study Cosmic Background Radiation

NASA has launched two missions to study the cosmic background radiation, taking "baby pictures" of the Universe only 400,000 years after it was born. The first of these was the Cosmic Background Explorer (COBE). In 1992, the COBE team announced that they had mapped the primordial hot and cold spots in cosmic background radiation. These spots are related to the gravitational field in the early Universe and form the seeds of the giant clusters of galaxies that stretch hundreds of millions of light years across the Universe. This work earned NASA's Dr. John C. Mather and George F. Smoot of the University of California the 2006 Nobel Prize for Physics.

<https://science.nasa.gov/astrophysics/focus-areas/what-powered-the-big-bang>

At the time, two more ground-breaking discoveries were made in observational cosmology. In 1992, the elusive anisotropies in the CMB were finally observed by COBE [54] (Nobel Prize in Physics 2006 to John Mather and George Smoot). In 1998, the accelerated expansion of the Universe was discovered using bright thermonuclear supernovae as distance indicators [55-56] (Nobel Prize in Physics 2011 to Saul Perlmutter, Brian Schmidt and Adam Riess).

<https://www.nobelprize.org/uploads/2019/10/advanced-physicsprize2019-3.pdf>

The following are examples of how fraud and waste proliferate from America to the world when they are not openly addressed by the establishment. Men like Gross aid and abet this entirely preventable corruption. The following new proposals in Japan and India rest on the Cosmic Microwave Background as having been identified as Big Bang relic radiation through the discovery of the 2.7 K Planck spectrum.

JAPAN

LiteBIRD

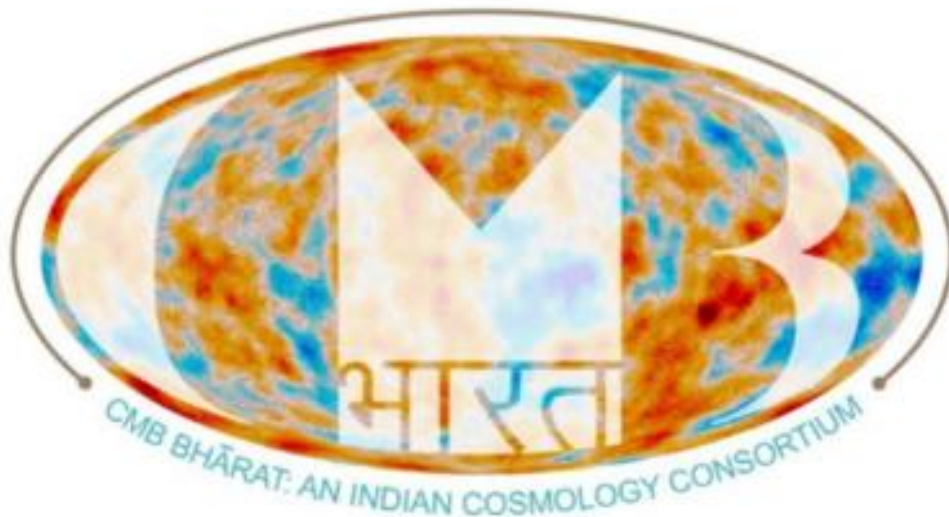
A Small Satellite for the Studies of B-mode Polarization and Inflation from Cosmic Background Radiation Detection

INDIA

Proposed by

CMB-Bharat

An Indian Cosmology Consortium



STRAIGHTFORWARD QUESTION OF EXPERTISE



JAMES PEEBLES



DAVID GROSS

These two scam Nobelists have frequently praised the COBE Satellite discovery of the cosmic black body spectrum to high heaven, describing it as “most perfect ever measured”, “gold standard” of measurement etc. Notice that they are certifying *the measurement*.

What do they know about antenna measurement? They don't know their ass from a hole in the ground. They continue to authoritatively promote that which true experts



have examined and dismissed as totally bogus. Is it any wonder that men of this ethical quality would be easy pals of child rapist Jeffrey Epstein? What's the surprise here?

Bibhas De 11/03/2019

THE FALSIFIERS OF THE UNIVERSE



BIG BANG COSMOLOGY:
The first fraud in the final frontier

Bibhas De

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UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS

Excerpts from the book:

Slowly abject scientific quackery had morphed into diabolic deceit. Increasingly strident rhetoric about advanced space-age technology and fantastic measurement accuracy was made to swirl around the deceitful discovery. Every power group that could be mobilized to protect the enterprise was mobilized to protect it. Every accolade that could be bestowed to whitewash over it was bestowed to whitewash over it.

It was a very dark chapter of science.

There is a Bengali proverb about sleaziness:
Lewd dancing going on behind the veil of modesty.
Here we have an entire phantasmagoric orgy being played out on the world stage – among the noblest of noble intellectuals. Taxpayers are footing the bill.



Copyrighted Material

JOHN CROMWELL MATHER, *Big Bang Nobel Laureate*

There is a horror movie called *The Village* where the inhabitants often use an ominous phrase "The things of which we do not speak." This refers to some ghoulish creatures that reside in the forest next to the village and prey upon the villagers. Applied to the aforementioned community, this phrase would refer to the John Mather blackbody, for everyone simply clammed up on this (except for some blackbody die-hards I will discuss later.) When the WMAP satellite results were reported amid great fanfare, no one asked the first and the most obvious question about how the five-frequency data points fell on the blackbody curve. When the Planck satellite results were released after creating an atmosphere of great anticipation, again no one asked how the nine-frequency data points fell on the curve. There truly was a concerted conspiracy of silence. Scientists and the media conspired to deceive the world. As we shall discuss later, the Government and the Legislature became a party to this. And as if all this support was still not enough, the Vatican pitched in.

And to think that they were all going to get away with this. The Universe was going to stay forever falsified.



The Falsifiers of the Universe

by Bibhas De | Mar 29, 2015

★★★★★ 3

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Ken Scott

★★★★★ **Bibhas Delivers**

Reviewed in the United States on January 5, 2016

Verified Purchase

Bibhas De delivers on his promise and dives right in and lifts the veil on the nuts and bolts of one of the greatest scientific frauds of the modern era. A few improvements in the editing need to be made but overall I found myself unable to put it down until I was done. I will be referencing this book for years to come, keep up the great work Bibhas!

7 people found this helpful



**UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS**

Excerpts from the book:

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ISBN 9781507704936



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PART III

LIGO

THREE PHONES IN LIGO HQ

LIGO CEO David Reitze sits in his office in his leather-bound swivel chair, staring at the bank of three dedicated hot lines.



10:04 AM: Ring ring...

Reitze: David Reitze.

Caller: David, this is Mike at Hanford. Looks like we have an event – faint, but possibly in all three stations. Could be black hole and neutron star. All very tentative of course. We have sent out alert to

optical astronomers. Let's see what happens.

Reitze: That's great! But we've learned that claims of detections require a tremendous amount of painstaking work—checking and rechecking—so we'll have to see where the data takes us.

10:06 AM: Reitze calls the ever-ready LIGO reporter pool.



Reitze: Folks, we have just discovered a black hole devouring a neutron star. Optical astronomers are scouring the skies. Go ahead full blast and report the discovery. Just add somewhere 'if confirmed'.

10:09 AM: Reitze calls she who must be obeyed.

Reitze: Hello, we have discovered a black hole devouring a neutron star. I have put the news out to the media. Media blitz first, careful confirmation in good time.

She who must be obeyed: Great! This is why NSF exists.

05/04/2019

David Gross has been deeply and intricately involved with LIGO (Laser Interferometer Gravitational-Wave Observatory) although this is not obvious on the surface. When the LIGO leaders received the Nobel Prize in ceremonies in Stockholm, Gross and Frank Wilczek were special invitees there although outwardly they have no connection to LIGO or the science represented there. They may have been behind-the-scene backer of the Nobel award. Certainly, Gross's other student, Ulf Danielsson, was directly involved in backing this award.

Endorsing LIGO is 100% an issue of endorsing the LIGO experiment. What capacity does Gross have to analyze this novel instrumentation concept in depth? No more than he had the capacity to analyze the COBE instrumentation.

So here is an unarguable scientific "character trait" of Gross: Projecting overbearing scientific authority where he no more qualified than a butcher is qualified to comment on surgery.

LIGO may have detected gravitational waves the way a dowsing rod sees water. Scientifically, there is absolutely no connection between LIGO and gravitational waves.

2017 PHYSICS NOBEL PRIZE

Should you laugh or cry?

The prize was given for detection of gravitational wave with the LIGO instrument. Up until now, four detections have been reported. The following scientific "points and authorities" were in full view of public when the ludicrous decision to award the Prize was made.

(a). The observations were those of an entirely expected terrestrial phenomenon known as Schumann resonant transients – a type of ubiquitous global geomagnetic disturbance spreading from lightning strike somewhere. This explains very simply the near-simultaneity of the observations at two or three distant stations, and the jagged signal profiles. The LIGO design is (unintendedly) capable of receiving and reporting these electromagnetic signals.

(b). The impressively detailed matching of the observed signal profile to that modeled for binary black hole merger must be dismissed out of hand because the observed signals were improperly extracted, because the model has enormous tweaking capacity, and because there is no way to back out the LIGO incident waveform from the observed output waveform.

(c). There is exactly zero evidence that the two independently hung LIGO mirrors have been set in entangled motion, and that the motion amplitude is $\sim 1/10,000$ -th of the proton diameter, as required for gravitational wave incidence. This is purely a cock-and-bull story. Take away this false story, and there is no discovery.

(d). There is no calibration curve for LIGO displacement. All quantitative reports (x solar mass, y light years etc.) are garbage.

(e). LIGO's vaunted vibration isolation system – essential to the discovery – is in experimental evidence as not working as stated.

(f). LIGO functioning is crucially dependent on the Earth's static magnetic field. LIGO scientists and engineers are in evidence as being serenely unaware of this crucial effect on their instrument.

There was never a scintilla of evidence that LIGO observed, or is even capable of observing, a gravitational wave, if such waves exist. Anybody that tells you different is either a wily fraud or a person who does not know his --- from a hole in the ground.

This Nobel Prize would be a laughable quackery had it not been for the fact that it casts a sepulchral pall upon our scientific civilization.

WHY THE NSF-LIGO OBSERVATORIES ARE **QUACK INSTRUMENTATION JOBS** **DETECTION OF GRAVITATIONAL WAVE**

A proper physics analysis of the instrument shows that detecting GW is the one thing LIGO *cannot* do. The dozen or so discoveries made and those yet to be made are total fiction.

TRIANGULATION OF GW SOURCE

The wave physics here is wrong. The source locations – past or future – are total fiction. The LIGO universe is total fiction.

MEASUREMENT OF LENGTH

LIGO claims that “displacements” on a quantum scale can be measured with high precision as macroscopic lengths. No demonstration is offered for this unbelievable assertion. Defeating quantum limitations to make fantastic cosmic discoveries is like removing the watch battery to stop time.

CALIBRATION OF REFERENCELESS LIGO

Calibration means converting observed optoelectronic voltages to lengths. Since LIGO is without any length reference as the GW passes, calibration in a separate experiment needed to bracket the full range of measured data. This never happened.

SCIFI-BUFF KIP THORNE'S HIDDEN DISCONNECT

The correct scientific procedure for LIGO is to back out from its output signal S_o the input signal S_i , and compare the latter with the modeled signal S_m supposedly incident on LIGO. Instead, the S_i step is deep sixed. S_o and S_m are falsely compared.

RAINER WEISS THE SERIAL QUACK

Rainer Weiss the LIGO instrumentation genius was at the scientific helm of the COBE satellite instrumentation which stands documented as abject quackery. Idea wise, NASA-COBE and NSF-LIGO quackeries run uncannily parallel. It all fits.

LIGO DISCOVERIES: PROPONENTS vs DISSIDENTS

QUALITY OF EVALUATION

"THE SMARTEST MAN ON THE PLANET"



"This amazing achievement lets us observe for the first time some of the remarkable workings of Einstein's theory. Theoretical ideas about black holes which were close to being science fiction when I was a student are now reality."

- Edward Witten

THE PARIAH OF INDIAN PHYSICS DOM

"And in case, the LIGO claims of detection of gravitational waves are true, they may be confirming that the pertinent compact objects are BH (Black Hole) mimickers and not true BHs. This is so because LIGO signals may be superimposed by echoes too [58]. And there cannot be any echo of gravitational or any other wave from true BHs which are vacuum surrounded by event horizons. And thus potential detection of echoes might be the direct evidence for non-existence of true BHs."



- Abhas Mitra

Edward Witten's comments reflect the general quality of the scientific establishment's evaluation of the LIGO discoveries: unthinking, uncritical, bombastic, and knee-jerk. His comment above accompanied the rapid award of the \$3 million Breakthrough Prize to LIGO. Abhas Mitra is on clear record (and acknowledged by some) as a more advanced thinker on black holes than Stephen Hawking. But somehow he pissed off the Indian physics establishment which sidelined him. So it is with the establishment's LIGO evaluation: They ride for the brand.

Duty to Inform

A world education message from Bibhas De 01/11/2019

LIGO SCAMORAMA I

ON THE SKY

KIP'S CONJECTURES:

- A. BLACK HOLES MERGE
- B. GRAVITATIONAL WAVES



KIP'S WIGGLE



(compare)

RAINER'S WIGGLE



INSIDE LIGO

RAINER'S CONJECTURES:

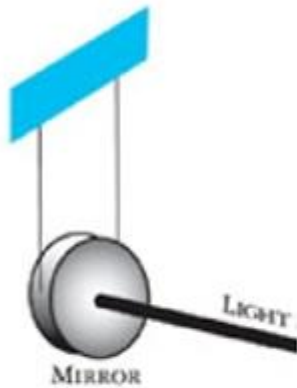
- C. MIRROR MOTIONS
ENTANGLED
- D. MACROSCOPIC MOVEMENT
ON QUANTUM SCALE

Q: Astronomical discoveries involve a known instrument and an unknown source. LIGO concerns an unknown instrument and an unknown source. Each of the above four independent conjectures must be demonstrated to be correct. LIGO has no way to demonstrate that the uncommon instrument conjectures actually happen. Comparing the above two wiggles is the only test LIGO can perform. Now, if the wiggles do match in detail, which of the four conjectures stand proved?

A: None. One wiggle match cannot simultaneously make a discovery on the sky and validate the unknown discovery instrument on ground. Simply put, two scientific unknowns cannot validate each other.

10/25/2017

LIGO SCAMORAMA II



This picture shows one of LIGO's freely hung mirrors. The axis of the mirror is also the direction in which the laser beam arrives and is reflected back. This perfect alignment of the two beams with the mirror axis is an absolute requirement for LIGO detecting gravitational waves. However, noise (all effects other than gravitational wave) upsets this situation. Consider:

(A) IDEAL MIRROR ACTUATION: When a gravitational wave arrives, the mirror moves back and forth strictly along the axis. The laser beams remain perfectly aligned with the axis.

(B) MIRROR JITTER: Noise causes the mirror to move in random ways. This causes the beam to become misaligned.

(C) LINK JITTER: Vibration of other structures causes the beam to go off alignment.

(D) LIGO ASSERTION: When a gravitational wave arrives, noise is always present. LIGO assumes that this noise is added to the wave signal, but that the signal retains its identity (integrity) so that the signal and the noise can be separated by digital processing of LIGO readout.

(E) CORRECT PHYSICS: This is wrong. Since noise makes the laser beam veer off-axis, the gravitational wave is being recorded through this misaligned laser link – and not the way it was supposed to be recorded (see A). Noise actually creates an instrument effect to distort the wave signal, and also becomes superimposed on that distorted signal. This distortion is indeterminate. The noise and the wave signal are intrinsically inseparable in the LIGO readout.

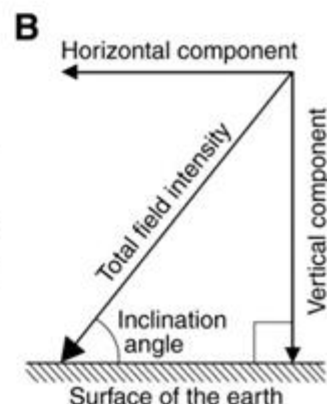
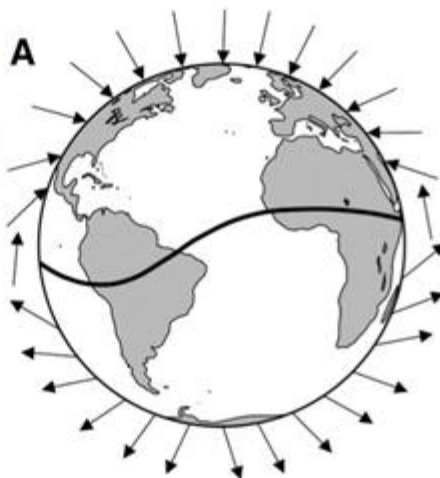
(F) WAVE SIGNAL INSIGNIFICANT: Any jitter due to noise is far larger than the quantum-scale mirror movement allegedly caused by the wave. LIGO actively suppresses the wave signal by the above instrument effect. The reports of large signal-to-noise ratios are false. If some wiggle does stand head and shoulder above noise, then *ipso facto* it cannot be gravitational wave.

CONCLUSION: LIGO cannot detect gravitational wave even if the principle of the instrument is otherwise sound. But it is not.

10/25/2017

LIGO SCAMORAMA III

One of the most important considerations that needed to be considered decades ago while conceiving the LIGO instrument is the Earth's static magnetic field B which would wreak havoc on the instrument. Here's how:



LIGO's kilometers-long steel tubes are especially effective attractors of geomagnetic disturbances which induce time-varying electric currents I on the tube wall. As a result, a mechanical force proportional to $I \times B$ arises on the structure, causing it to mechanically vibrate. The tube as whole vibrates and along with it, everything mechanically connected to it vibrates.

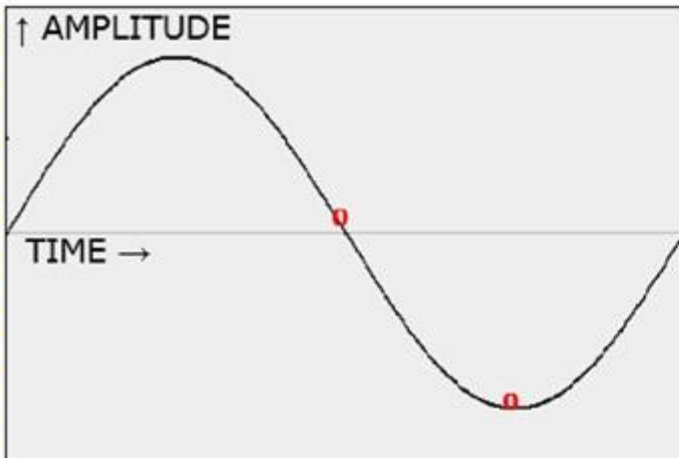
Additionally, the geomagnetic disturbances penetrate inside the tube (no adequate shielding has been provide), and generate currents I in all metallic structures inside. Correspondingly, there is the force $\sim I \times B$ and the consequent jitter of the mirrors and the laser link.

While such vibrations are generally of no concern, they are of overwhelming importance in LIGO.

There is no evidence that the Ligonauts ever considered this effect in the four decades preceding their sham discovery, or in the two years following that discovery.

LIGO SCAMORAMA IV

Let this be the time-amplitude diagram of a sine wave signal incident on LIGO. Since the amplitude as such is too small for



LIGO to measure, it is accumulated 280 times by repeated probing of the mirror position with the laser beam. So these laser bounces give us an effective laser link length of 1120 km (4 km arm x 280 bounces). The light travel time for this link is 3.73 ms. Call this time Δt .

Now, theoretically, the maximum time τ to accumulate the amplitudes is a quarter cycle of the wave (as between the two red dots). For longer time spans, the graph will flip sign or direction within the time window τ , distorting the measured signal. By setting $\Delta t = \tau$, we find that the maximum frequency LIGO can measure is 67 Hz. In actuality, the maximum reliable frequency measurable by LIGO, f_{\max} , is much less than 67 Hz.

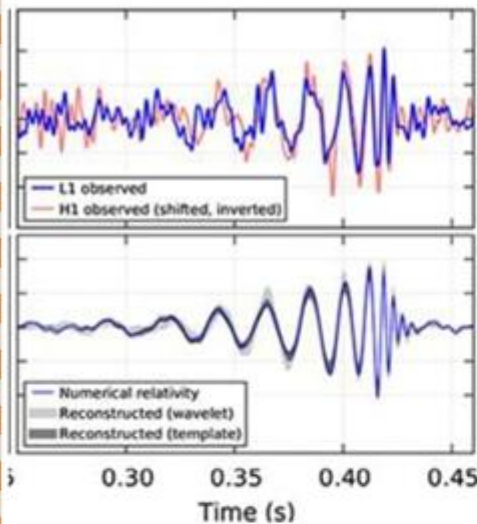
Of course LIGO does not measure a single sine wave. But whatever jagged time trace (signal + noise) it measures, it remains true that f_{\max} is the maximum signal frequency *measured*. This is a fundamental limitation, and cannot be overcome by any amount of digital processing of the readout.

When the LIGO readout trace is converted to frequency domain, it can show frequency content up to hundreds of Hz. But nothing above f_{\max} pertains to the signal.

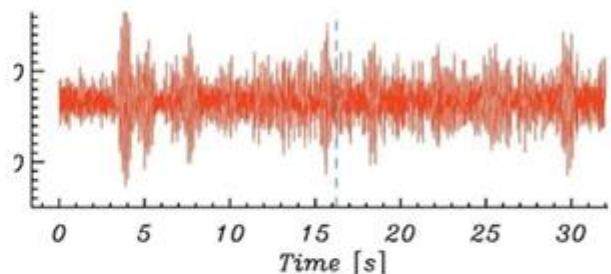
LIGO reports all kinds of frequency response bandwidths and on this basis, treats frequencies of hundreds of Hz (the region where LIGO chirps) as true measured signal frequencies. This is false. The LIGO chirps are not "on the sky."

LIGO SCAMORAMA V

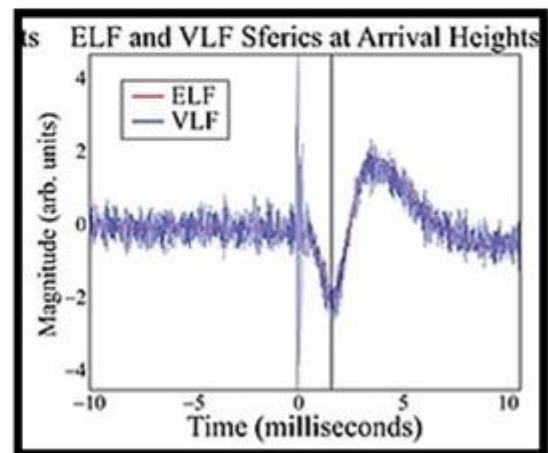
Let's take a look at one of the typical LIGO discoveries. The experimental traces from two stations are shown in the top panel. The black hole merger theory is shown in the bottom panel. The question is why the experimental traces are so jagged.



Because some noise has remained in the signal? Yes, but such noise would have to be at much higher frequencies than the frequencies in the bottom panel. However, the LIGO instrument is simply not capable of recording those higher frequencies. Much of the dense noise hash you have seen in LIGO diagrams contain high frequencies that LIGO laser/mirror technique cannot measure. So how do these frequencies get into LIGO?



The jaggedness comes most likely from the fact that electromagnetic disturbances – such as Schumann transients shown here – are getting directly into the optoelectronic components and are appearing in the LIGO readout. The importance of Electromagnetic Interference (EMI) in optoelectronic receivers operating at very low signal levels is known.

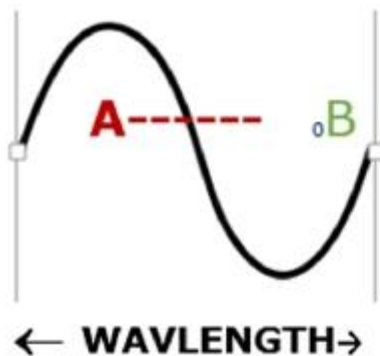


I would guess that LIGO readout is a composite of signals gathered through random mirror/laser link jitter, and direct reception of EM disturbances as described above. The intended LIGO mode, entangle mirror vibration, never happens.

LIGO SCAMORAMA VI

Identical quackery: LIGO and BICEP2

The stated genius of the invention of LIGO was to cleverly utilize a conjectured property of gravitational waves called polarization. If there were no polarization (or zero polarization) LIGO would not work.



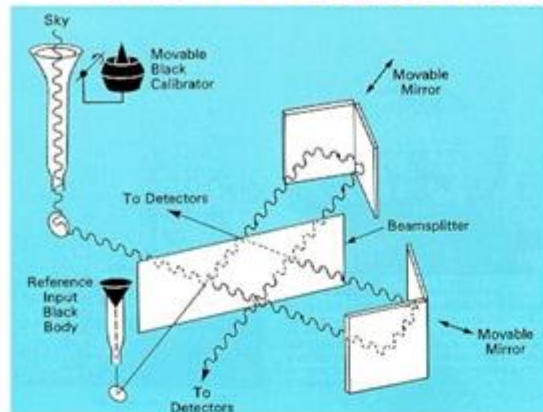
A wave can resolve physical structures that are larger than about one-third the wavelength (A). Smaller structures are seen as blurs or indistinct specks in the light of this wave. The size of the LIGO arms (\sim kms) vis-a-vis the wavelength ($\sim 10^3$ kms) is closer to a vanishingly small dot (B). Therefore **LIGO cannot sense the polarization of the gravitational wave**, even if such waves existed and had the conjectured polarization. Do not let any amount of the habitual Ligonaut jiggery pokery confuse you on this point. The billion-dollar LIGO is based at the very core and from the get go on abject physics quackery.

Curiously, this is exactly the same instrumentation quackery that was committed with the BICEP2 telescope, and that I uncovered immediately upon the report of that discovery.

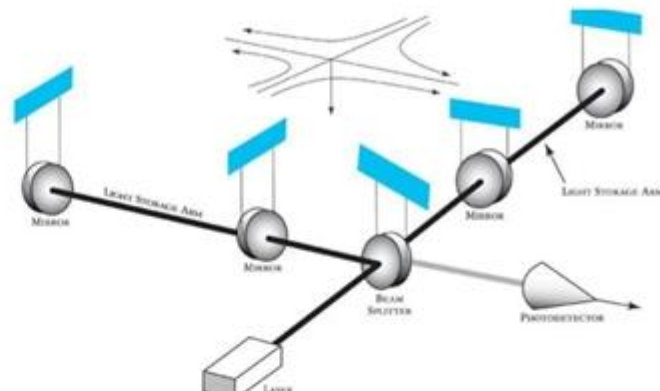
A common funder of the two scamoramas: France Cordova of the *National Science Foundation*. The common publisher: *The Physical Review Letters*.

LIGO SCAMORAMA VII

THE COMMON IDEATION OF FRAUD



COBE Interferometer



LIGO Interferometer

Rainer Weiss of MIT is centrally responsible for both COBE Satellite and LIGO instrumentation frauds. It is reasonable to conclude that the two ideas were forming in his mind roughly in parallel. He applied the same idea (interferometry) to two radically different applications.

An interferometer works with light and mirrors. In the COBE case, the mirrors were moved intentionally and the light was infrared. In the LIGO case, gravitational wave "moved" the mirrors and the light was visible laser. For COBE, the light was the thing to be measured. For LIGO, the mirror movement was the thing to be measured.

In the COBE case, whatever the the instrument saw was falsely equated to the radiation from an onboard blackbody calibrator which was falsely equated to a theoretical Planck spectrum. In this way, a textbook-perfect blackbody spectrum on the sky followed.

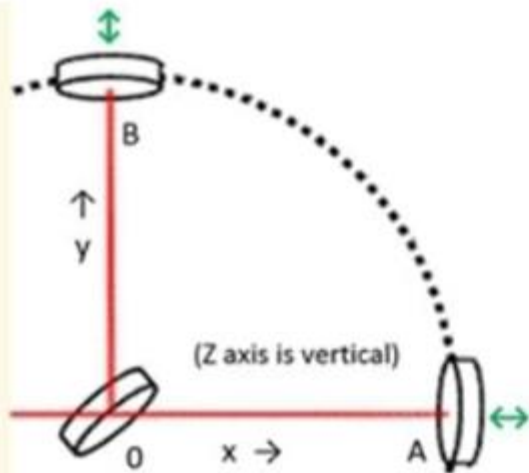
In the LIGO case, whatever the instrument saw was falsely ascribed to a conjecture of invisibly entangled mirror motion on quantum scale, and a textbook-perfect discovery on the sky of both gravitational wave and black hole merger followed.

In both cases, the Nobel Prize also followed.

LIGO SCAMORAMA VIII

The curious incident of the dog in the nighttime

Let's go back to the conceiving of LIGO. The problem here was that when a gravitational wave (GW) passes through LIGO (coming down z axis, say), the instrument has no fixed reference point in space in its vicinity because the space itself is in motion. Absolute distances cannot be measured.



Rainer Weiss's legendary instrument "genius" came up with the idea of making *differential* measurement. The *difference* between the lengths OA and OB would be measured. Why would they be different? Because the waves have a property called polarization. It causes the mirrors A and B to move in concert with the wave but in different

directions. As A moves towards O, B moves away from O, and vice versa. Thus $OA \sim OB$ is nonzero, and measurable.

Now here's the problem: Polarization is the conjecture LIGO is out to prove! Therefore the concerted motion is also a conjecture. Because absolute distances cannot be measured, the motion of an individual mirror cannot be measured and so the concerted motion cannot be observed. But this outre idea of invisible entanglement of mirrors certainly needs verification.

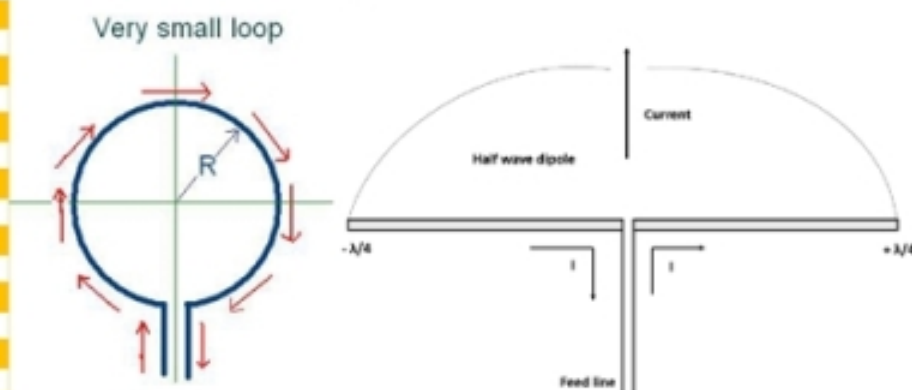
The principle of operation of LIGO is the very conjecture it is out to discover on the sky. This principle is said to be post-validated by that discovery. If the discovery has to validate the instrument, what's validating the discovery?

You are out in the jungle at nighttime trying to track down a unicorn, based on a conjecture that the unicorn smells like Morlocks. You bought a sniffing dog from Sgt. Bilko who said it can smell Morlocks. Now, if the dog becomes suddenly agitated in the jungle at nighttime, does this prove there is a unicorn and the dog can indeed smell Morlocks?

LIGO SCAMORAMA IX

RAINER'S POLARIZATION

Rainer Weiss of MIT was the science leader of the COBE Satellite program where the science concerned electromagnetic (EM) waves. In my 2015 book *The Falsifiers of the Universe* I showed how the entire program was based on gross misunderstanding of EM wave properties at many levels. One particular point had to do with total misconception about polarization. Where an unpolarized (randomly polarized) wave was flowing through a pipe of circular cross-section, they willy-nilly changed it into a rectangular cross-section prior to launch, without ever telling the scientific community. This introduced instrumental polarization where there was none on the sky. In retrospect, Weiss never understood anything about wave behavior in general – not just EM waves. His quackery carried over to LIGO.



In EM, a loop antenna, for example, whose size R is much smaller than the wavelength λ is called a probe. It can be used to sense the

presence of a wave over a broad range of frequencies. It cannot give you the strength of the wave or its direction of travel or state of polarization.

A half-wave dipole on the other hand, for example, can give you the strength, the plane of polarization for linear polarization, and the approximate direction.

LIGO as a gravitational wave antenna is akin to a probe. It cannot work off the polarization of the wave or give you the strength. Every single one of the five LIGO discoveries is an elaborate fraud, just like the COBE and the BICEP2 discoveries.

The WMAP Satellite and the Planck Satellite covered up the **COBE fraud**. *The Physical Review Letters* and the European Space Agency helped cover up the **BICEP2 fraud**. Now the entire physics establishment is knowingly covering up the **LIGO fraud**.

LIGO SCAMORAMA X

LIGO EXCEPTIONALISM

- The only way LIGO instrument functions is to work off the polarization of gravitational wave (GW). But this polarization is the hypothesis LIGO is out to prove.
- LIGO's physical dimension is too small compared to the wavelength of GW for it to sense the polarization (if it were there.) Therefore LIGO is not a functional instrument.
- The hypothesis of meaningful macroscopic mirror motion at quantum-scale distances is one of the two mainstays of the LIGO operating principle. The Ligonauts cannot experimentally verify this hypothesis.
- The hypothesis of concerted mirror motion (invisible entanglement) is the other mainstay. The Ligonauts cannot experimentally verify this hypothesis.
- LIGO has a strict upper limit of frequency f_{\max} that it can meaningfully measure. The chirps reported shoot far above f_{\max} and are therefore spurious (i.e. not on the sky.)
- LIGO's readout is in volts. To convert it to a length (expansion/contraction of LIGO arms) there needs to be a length-vs-volt calibration relation *in LIGO's discovery regime*. The Ligonauts cannot experimentally determine this.
- The mechanisms (mirror jitter, laser link jitter) by which LIGO registers the myriad unwanted signals alter the prescribed instrument configuration for reception of GW. Therefore, if GW were being received, it would become inextricable from these signals, with no separation criteria.
- Given a readout signal, the Ligonauts cannot determine the corresponding signal that was incident on LIGO.

However, the myth spread round the world is that the Ligonauts possess some higher knowledge that "you do not understand" and is "too complicated for you". This is the LIGO Exceptionalism. This is why LIGO is immune to our physics. I agree that the LIGO leaders and their groupies are the new age high priests: *The fake babas of Physicsville.*

11/05/2017

LIGO SCAMORAMA XI

A NOBEL-CERTIFIED SCAM: TRIANGULATION



I have not addressed the subject of triangulation. When an instrument is a piece of crap, why discuss the collective functioning of multiple such instruments? But this discussion would illustrate the quality of LIGO science. And triangulation was the main argument for inducing Italy, Japan and India into the LIGO network.

Triangulation – simultaneous detection at three stations – gives the direction of the source of the alleged gravitational wave. Basically, there is a 2-D plane (“wavefront”) sweeping past the Earth. And they want to determine the orientation of this plane. If you can locate two points on this plane, you have some information about the orientation. Three points give you the exact orientation, ideally. The length-scale of relevance here is the unknown wavelength λ of the gravitational wave **which can be comparable to the size of the Earth**. Because of the physics of waves, triangulation requires that the distance L between any two stations be much longer than the wavelength ($L \gg \lambda$). The plane or the wavefront has no physical meaning if $L \leq \lambda$. This is *our* physics, as distinct from Ligonaut physics. So triangulation is now a Swedish-certified scam, with multiple nations as its victims.

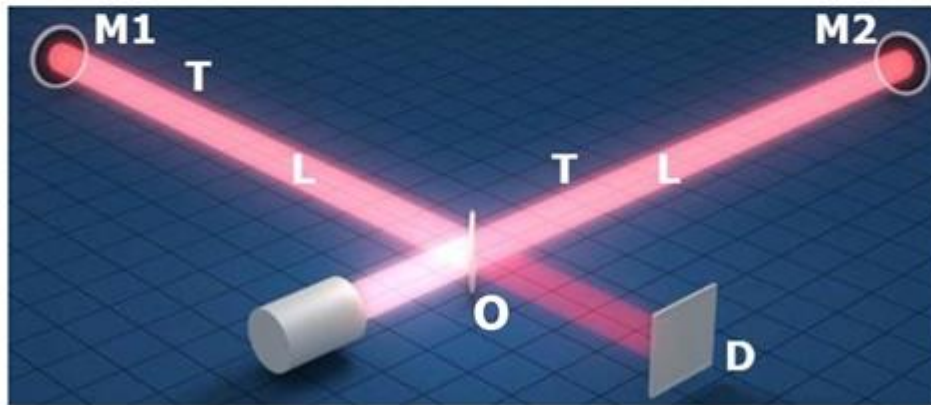
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A world education message from Bibhas De 11/10/2017

LIGO SCAMORAMA XII

WOLFGANG ENGELHARDT'S DEATH BLOW TO LIGO

Both in 2016 and 2017, Professor Wolfgang Engelhardt, a German physicist retired from Max-Planck Institute, wrote directly to the Chairman of the Nobel Committee for Physics (copy to other Nobel officials), pointing out an absolutely fatal defect in LIGO that made it crystal clear that the discoveries never happened. No way, no how, not on your life!



The LIGO readout at the optoelectronic detector D is a voltage v . It is a string of numbers. What they want to measure is a ratio of lengths called strain s : $[(OM1-OM2)/4 \text{ KM}]$. Now, the issue of calibration: How do you go from v to s ?

INSTRUMENT CALIBRATION: The conventional method is to develop an experimental calibration curve: a relation between v and s for **the exact same experiment** where both are known. LIGO was never able to determine this calibration curve in the needed range of s ($\sim 10^{-21}$) or in any other range.

THEORETICAL RELATION: As an absolute last resort, one could use the theory of the instrument to develop that v - s relation. But to do so one would need a model for the movement of the mirrors M1 and M2. But that model is what LIGO is out to discover. **You cannot tell the instrument to lie!** Not only was there not any LIGO discovery, but it is a billion-dollar piece of *merda taurorum*. Do not have the slightest doubt on that point, good citizens of the world.

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A world education message from Bibhas De 11/12/2017

LIGO SCAMORAMA XIII

FROM THE DEPTHS OF UNCERTAINTY FLOW DEFINITIVE DISCOVERIES

In order to detect gravitational wave, LIGO has “to measure a motion 10,000 times *smaller* than an atomic nucleus (the smallest measurement ever attempted by science)...” So say Kip Thorne’s groupies.



When a LIGO mirror moves in gravitational wave, let the uncertainty in its position be Δx .

Assuming that the Uncertainty Principle is applicable to this “motion” (If not, what is?), we have

$$\Delta x \Delta p \geq \hbar/2$$

We can write here the momentum uncertainty Δp as $m\Delta x/\tau$, where τ is the time period of the wave and m is the mass of the mirror. With $m = 40$ kg, $\tau \sim 10^{-2}$ sec, we get

$$\Delta x \geq 10^{-19} \text{ m}$$

The diameter of the atomic nucleus is $\sim 10^{-15}$ m. Thus the motion x LIGO has to measure is 10^{-19} m, in the same range as the uncertainty Δx in the mirror position. And from the bourn of this uncertainty would flow picture-perfect agreement between theory and measurement, phenomenal details about what happened billions of years ago and billions of light years away, and phenomenally snap decision in Sweden to award the Nobel Prize.

So it seems that Kip Baba’s *Hare Krishnas* were measuring things that were fundamentally not measurable in physics, with a machine that was fundamentally a piece of crap.

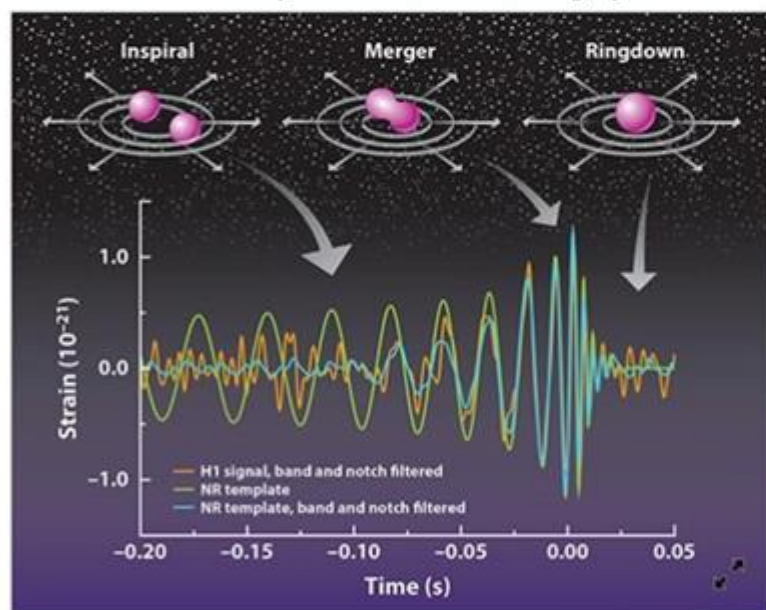
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A world education message from Bibhas De 11/16/2017

LIGO SCAMORAMA XIV

Kip S. "Scheherazade" Thorne

The most impressive selling point of the LIGO discovery was how



Frans Pretorius, APS/Carrin Cain

the theory wiggle and the observed wiggle matched – peak for peak, trough for trough, amplitude for amplitude, stage for stage. In truth, it was all a Scheherazade-like tale that Thorne wove. This match was absolutely a fiction, a very elaborate one. Scheherazade needed to save her young life, and Kip needed to save his old butt.

Take a length of wire and bend it in the exact shape of Kip's theory wiggle. Dip it in honey. Hang it out in your porch. After a couple of days you will find that it is completely covered with insects. So you have an experimental "insect wiggle". It perfectly matches the theory wiggle! Eureka! The LIGO match was a similar deception. The data was largely all noise, and from this shapeless noise was shaped the experimental wiggle, *guided by* the theory wiggle. This way you could fit any wiggle – even the profile of Pinocchio's face.

But there is a deeper truth. There should have been no scientific expectation in the first place for the theory wiggle to match the observed wiggle. Whatever impetus (wiggle) is incident on LIGO, and whatever wiggle LIGO reports at its readout, cannot resemble each other. I have explained all this in my book. There is no scientific basis for graphically comparing the theory wiggle with the observed wiggle. The very fact that such an astounding match was found between the two wiggles was the very indication of the gigantic fraud. The Nobel Prize notwithstanding. And all the yakking Princeton IAS-ians notwithstanding.

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A world education message from Bibhas De 02/07/2018

LIGO SCAMORAMA XV

True experts: *LIGO data analysis was all crap!*

"In view of unsubstantiated claims of errors in our calculations (by LIGO camp), we appreciated the opportunity to go through our respective codes together (with LIGO) - line by line when necessary - until agreement was reached. This check did *not* lead to revisions in the results of calculations reported (by us). It did result in changes to the codes used by our visitors (LIGO). ...

We believe that LIGO has not yet attained acceptable standards of data cleaning. Since we regard proof of suitable cleaning as a mandatory prerequisite for any meaningful comparison with specific astrophysical models of GW events, we continue to regard LIGO's claims of GW discovery as interesting but premature." - James Creswell, Sebastian von Hausegger, Andrew D. Jackson, Hao Liu, Pavel Naselsky, University of Copenhagen, August 21, 2017

"It is shown that this matched filter misfires with high SNR (signal-to-noise ratio)/CCF (cross-correlation function) peaks, even for very low-amplitude, short bursts of sine wave signals and additive white gaussian noise, all the time. It is shown that this erratic behaviour of the matched filter, is due to the error in signal processing operations, such as lack of cyclic prefix necessary to account for circular convolution. It is also shown that normalized CCF method implemented in time domain using short windows, does not have false CCF peaks for sine wave and noise bursts. It is shown that the normalized CCF for GW151226 and GW170104, when correlating H1/L1 and template, is indistinguishable from correlating detector noise and the template. It is also shown that the normalized CCF for GW151226 and GW170104, when correlating H1/L1 and template, is indistinguishable from correlating H1/L1 and bogus chirp templates which are frequency modulated (FM) waveforms which differ significantly from ideal templates. Similar results are shown with LIGO matched filter, which misfires with high SNR for bogus chirp templates." - Akhila Raman, University of California at Berkeley, 21 November 2017

02/14/2018

LIGO SCAMORAMA XVI

THE OCCULT OF THE THORNEWEISS CULT

Let me summarize in one graphic why the LIGO concept for detecting gravitational wave (GW) is a high level quackery from the get go. For this purpose we consider a textbook-idealized LIGO without any noise of any kind. Some unknown impetus produces a signal Δ . We need to identify this impetus as GW. Let

$X(t)$ = "displacement" of LIGO's X-mirror (with sign)

$Y(t)$ = "displacement" of LIGO's Y-mirror (with sign)

$\Delta = X(t) - Y(t)$ = LIGO signal

So a nonzero Δ can arise if one mirror is stationary and the other moves. Or both mirrors move as different functions of time. To identify the impetus as GW, we *must* demonstrate that X and Y are the same function of time, but 180° out of phase. To demonstrate this, we must *independently and simultaneously* measure the values X and Y, referred to one fixed location. This is precisely what LIGO cannot do as a GW passes by. LIGO is designed to never be able to identify GW. This is the end of the story. But let's go on exploring this thousand-genius quackery.

$L_\lambda = L/\lambda$ (L = length of a LIGO arm; λ = wavelength of GW)

$D_\lambda = D/\lambda$ (D = Straightline distance between two LIGO stations)

From the basic physics of waves, these conclusions follow:

(1). If $L_\lambda \lesssim 1/3$, LIGO cannot sense the polarization of GW (i.e., it is insensitive to the phase difference between X and Y).

(2). If $D_\lambda \lesssim 1/3$, LIGO cannot triangulate.

The factor 1/3 is rooted in the fundamental limitation that a wave cannot resolve structures smaller than about a third of the wavelength.

For LIGO application, both conditions $L_\lambda \lesssim 1/3$ and $D_\lambda \lesssim 1/3$ hold.

To say that a match of the theory wiggle and the observed wiggle constitutes the proof that the impetus is GW is to substitute science fiction for science. It is to require a presumptive story to complement an instrument of scientific discovery.

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A world education message from Bibhas De 02/16/2018

LIGO SCAMORAMA XVII

NSA-LIKE ANALYSIS OF LIGO "CHATTER"

Demetris Christopoulos of the National & Kapodistrian University of Athens is a physicist specializing in mathematical and statistical methods. He has analyzed the LIGO "chatter" around the period of the alleged discoveries – chatter (my description) here being the copious amounts of words and phrases in the entries in the LIGO logbooks. Here is a sample diagram from his study, this one on key phrases containing "injection", referring to artificial software injection of fake signals.

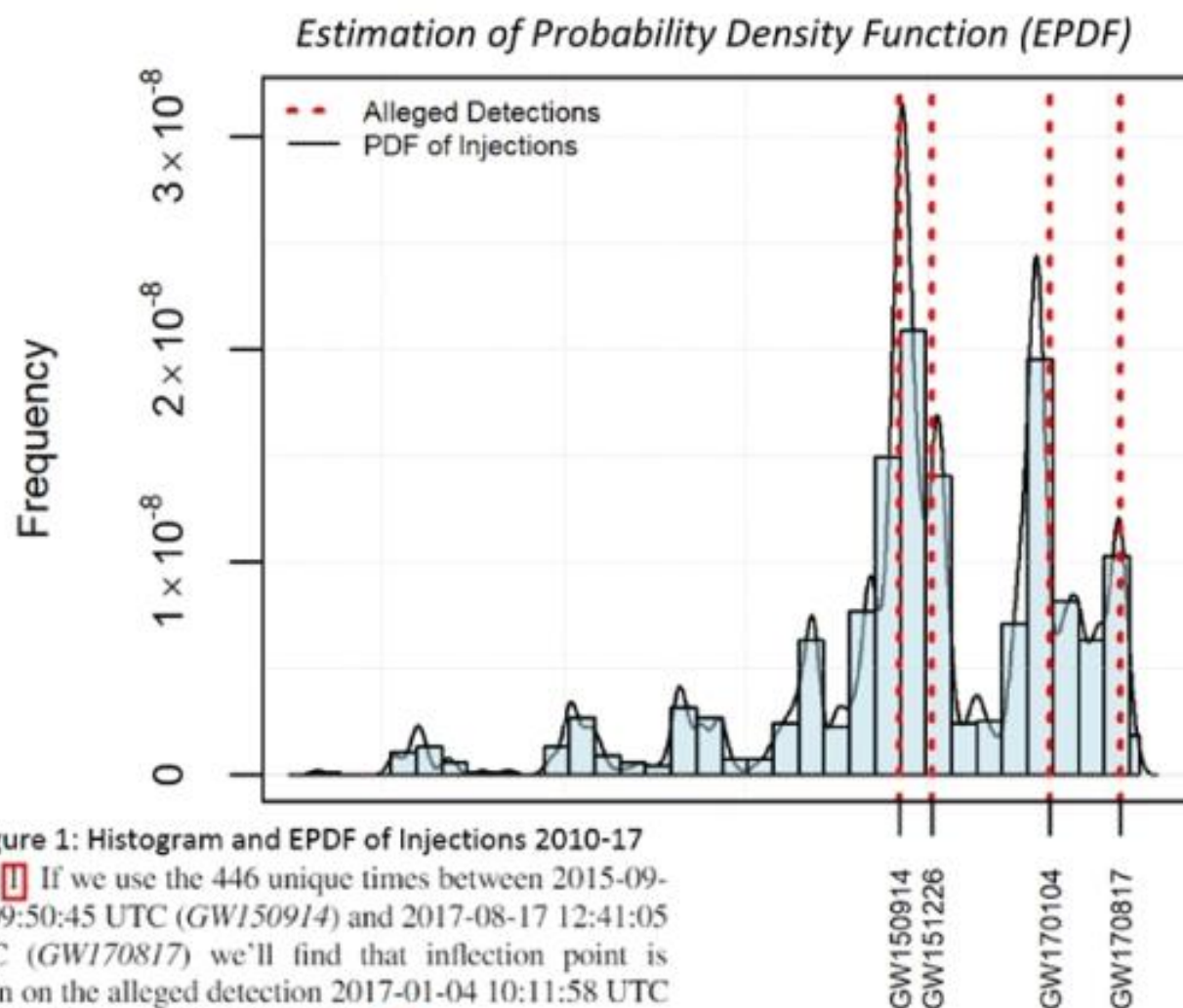


Figure 1: Histogram and EPDF of Injections 2010-17

Fig. 1 If we use the 446 unique times between 2015-09-14 09:50:45 UTC (GW150914) and 2017-08-17 12:41:05 UTC (GW170817) we'll find that inflection point is again on the alleged detection 2017-01-04 10:11:58 UTC (GW170104), see TOC plot in Fig. 2

The clear point of this diagram is that *all four* alleged discoveries are on or near peaks of the probability of fake injection.

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A world education message from Bibhas De 02/17/2018

LIGO SCAMORAMA XVIII

When the Nobel Committee deliberated

there was available to them at least five complete scientific dossiers prepared by credentialed experts and in the public domain – each flashing a red sign. In the face of these, the award was made in extreme haste on the very first year it was procedurally possible to make the award.



Schumann File



Engelhardt File



Copenhagen File



Christopoulos File



Privilege File

Schumann File: Three expert reports (from Russia, Japan and an international group) stressing that LIGO discoveries are likely Schumann resonances.

Engelhardt File: Wolfgang Engelhardt wrote to the Nobel Committee on LIGO's lack of calibration, making the discoveries false.

Copenhagen File: A group of experts from the Niels Bohr Institute showed that LIGO data analysis was faulty. Later a UC Berkeley expert made this conclusion stronger.

Christopoulos File: Demetris Christopoulos showed that the four LIGO discoveries happened at or near the times when artificial signal injection-related logbook entries peaked.

Privilege File: Two editions of my book *Unchallenged Privilege* showing that the LIGO instrument concept was faulty from the get go.

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A world education message from Bibhas De 02/18/2018

LIGO SCAMORAMA XIX

Gravitational Wave and Radio Astronomy

There are similarities and differences between gravitational (GW) and electromagnetic (EM) waves. Nevertheless, the following comments apply to both wave behaviors and their detections.

Q: If a radio astronomer Fred wanted to detect a theorized radiation component around some wavelength λ in the sky, would he build an antenna whose size L is much smaller than λ ($L \ll \lambda$)?

A: Absolutely not! But GW astronomers Kip and Rai did.

Q: If Fred wanted to detect the theorized polarization state of the EM wave, would he build an antenna with $L \ll \lambda$?

A: Absolutely not! But Kip and Rai did.

Q: If Fred is expecting a pulse train and needs to discern the precise arrival time, would he build an antenna with $L \ll \lambda$?

A: Absolutely not! But Kip and Rai did.

Q: If Fred wanted to triangulate the direction of the source in the sky, would he build three antennas where D , the distance between any two antennas, is such that $D < \lambda$?

A: Absolutely not! But Kip and Rai did.

Q: If Fred anticipates that his signal would be buried deep in white noise and masked by other unwanted pulse trains, would he build the hardware anyway?

A: He most likely would not, and most likely would not be funded. But Kip and Rai were funded to do this.

Q: Would Fred be funded to build an unworkable system with $L \ll \lambda$ and $D < \lambda$ because practical considerations of space, resources, state of technology etc. impose this limitation?

A: Absolutely not! But Kip and Rai were.

Q: What's exceptional about Kip and Rai?

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A world education message from Bibhas De 02/19/2018

LIGO SCAMORAMA XX

SCAMORAMA SERIES FINALE

Q: Are you saying that LIGO needs to gather more evidence?

A: No. LIGO discoveries never happened and will never happen. LIGO is scientifically incapable of detecting gravitational wave.

Q: So the LIGO observatories are not salvageable?

A: Maybe they can be converted for petroleum pipeline research.

Q: But the reality today is that more money is going into upgrading the observatories and creating a new one in India! The scientific establishment, NSF and the media stand solidly with LIGO. Kip Thorne is hot on his victory lap. PBS, NOVA, science museums – they are all agog with the awe of LIGO. With the Nobel Prize, all the dissidents save yourself have been trounced.

A: This is true. As a last effort, I have asked the Trump White House to help stop this otherwise unstoppable crime by intellectual cabals against our nation and our civilization. God knows the ragtag dissidents have urged *all* the relevant groups to do right by the human society. None did. I received this response from the White House, and I am hopeful that President Trump may be the one to rescue for us our hijacked civilization:

To bibhasde bibhasde@aol.com

THE WHITE HOUSE

WASHINGTON

January 5, 2018

Thank you for contacting the White House. We are carefully reviewing your message.

President Donald J. Trump believes the strength of our country lies in the spirit of

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A world education message from Bibhas De 02/20/2018

ONE BILLION DOLLARS FOR THIS?!



The LIGO instrument operates strictly on the principle that while a gravitational wave is passing by, the speed c of the laser light remains a constant in that frame. In the following the authors explain with total clarity why this principle is wrong. Many others have explained many other fatal faults of LIGO. What no one can explain is why the Ligonauts are still peddling their wares and why governments are still buying their wares. May be a taxpayer can ask France Córdova (above) or Diane Souvaine or Anneila Sargent.

LIGO Experiments Cannot Detect Gravitational Waves by Using Laser Michelson Interferometers

—Light's Wavelength and Speed Change Simultaneously When Gravitational Waves Exist Which Make the Detections of Gravitational Waves Impossible for LIGO Experiments

Xiaochun Mei¹, Zhixun Huang², Policarpo Yōshin Ulianov³, Ping Yu⁴

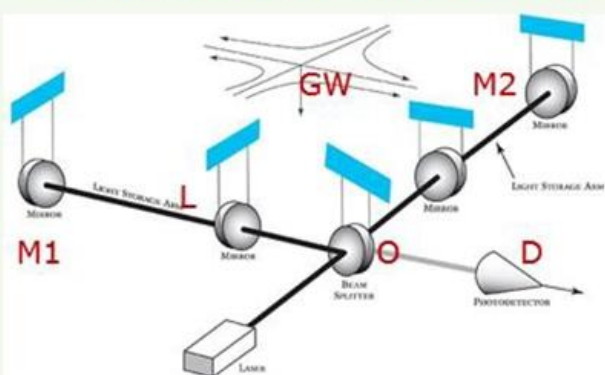
Journal of Modern Physics, 2016, 7, 1749-1761

In the gravitational field, we have two definitions for ruler and clock, i.e., coordinate ruler and coordinate clock, as well as standard ruler and standard clock (or proper ruler and clock). Coordinate ruler and coordinate clock are fixed at a certain point of gravitational field. They vary with the strength of gravitational field. Standard ruler and standard clock are fixed on the local reference frame which falls free in gravitational field. In local reference frame, gravitational force is canceled, so standard ruler and standard clock are unchanged.

In LIGO experiments, observers are located at a gravitational field caused by gravitational wave, rather than falling free in gravitational field, so what they used were coordinate ruler and coordinate clock. Therefore, light's speed in LIGO experiments is not a constant.

01/23/2019

LIGO INSTRUMENT: THE DEEP ROOTS OF FRAUD



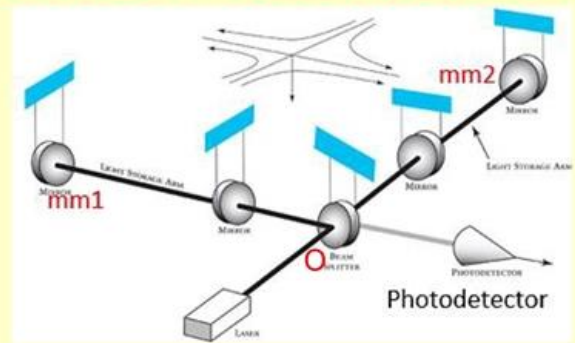
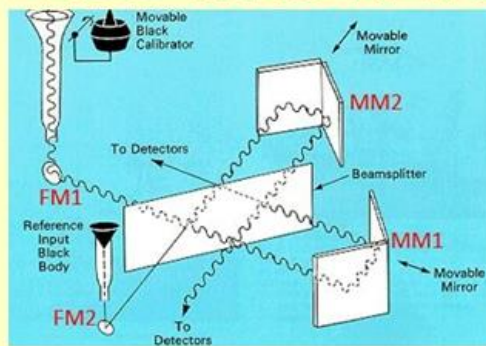
M1, M2: LIGO theory says that when a gravitational wave (GW) rains down vertically, the mirrors oscillate along their axes antisynchronously. This prediction is what LIGO needed to prove to discover GW. Instead, this invisible entanglement is taken as ground truth, and used as the instrument's operating principle. **LIGO is a well-concealed cerebral bootstrap.**

M1-O-M2: Because of the antisynchronicity, the laser runs M1-O and M2-O are predicted to have unequal lengths as they contract and expand during the passage of the GW. However, on the same basis, the laser wavelengths also expand and contract correspondingly – resulting in zero interferometric phase lag between the two runs. Thus **LIGO is not an interferometer (or is a permanently null interferometer.)** The false time lag argument has been shown to be a misrepresentation of General Relativity which is LIGO's vaunted scientific basis.

M1, M2: LIGO has two classes of operation: the predicted antisynchronous mirror motion described above (Class B), and normal random/independent mirror motions (Class A). Nothing in LIGO data proves Class B operation actually materializes. **LIGO is therefore all Class A.** (Motion of a single mirror can generate sinusoidal wiggles.)

L, D: The rate at which laser samples mirror movement does not support the conclusion that the range of numerically-obtained chirp frequencies are all on the sky. **The chirp is either artifactual or comes from non-Class B processes.** It is possible that electromagnetic signals enter the detector directly, past the photodetector D. 01/22/2019

LIGO WAS NEVER AN INTERFEROMETER



In the 1970s and 1980s, Rainer Weiss was applying his legendary instrument genius to two interferometers in parallel: COBE (left) and LIGO. Raister hatched a plan.

We normally do not think of it this way, but the very first need of an interferometer is a fixed frame of reference, as with COBE (the moving mirrors MM1 and MM2 are referenced to the fixed mirrors FM1 and FM2.) LIGO has no such frame, and the mirrors mm1 and mm2 and everything else are moving when the wave passes by. The wavelength of laser run is changing in concord, and so even though the runs O-mm1 and O-mm2 are of unequal lengths, no interferometric phase lag results. So Raister spins this narrative: Forget wavelength; since the speed of light is constant within LIGO (he says), when the runs recombine at the photodetector, they have had different travel times. This *time* lag, Raister says, shows up as a *phase* lag (and hey presto, we are back to conventional interferometry!) Now see the graphic below which says this narrative is wrong. There is no phase lag in LIGO. *Interferometry never applied*. We only have the reckless mess of Rainer Weiss, and we're out \$1.1 billion.

A world education message from Bibhas De 01/21/2019

Duty to Inform

SWEDISH COFFEE GUY, CIGARETTE-SMOKING MAN, ONE WITH A BEAUTIFUL QUESTION

An unholy nexus in physics corruption



Ulf Danielsson



David Gross



Frank Wilczek

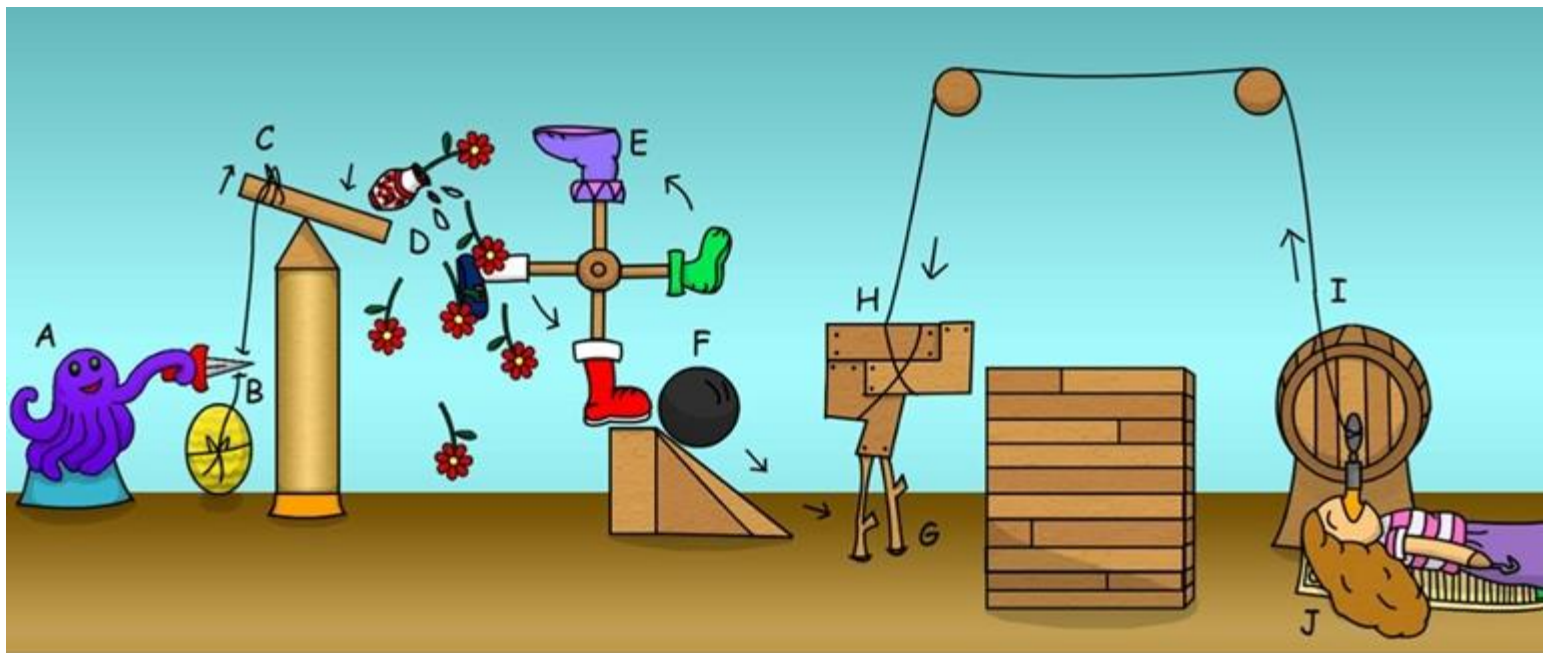
Be afraid of this most unholy nexus in intellectual corruption. Danielsson is being groomed as the new face of the awarding body of the Nobel Prize in Physics. He just helped Big Bang fraud James Peebles become a Nobelist, trashing in the process the Swedish physics legend Hannes Alfvén who rightly opposed Big Bang.

Gross got his Nobel Prize by trickery at the base level of theory-data comparison on a graph. His discovery is a sham. He is a major motive force in today's physics corruption movement worldwide. He forcefully backed Big Bang and LIGO – two Nobel-winning frauds. He will preach to you to protect our climate while smoking.

Wilczek, author of *A Beautiful Question* and a Nobelist for the above sham discovery, is an advisor to the Swedish physics establishment. When Wilczek speaks, the Swedes listen.

Danielsson and Wilczek are students of Gross from Princeton, a wellspring of fine physics fraud under God.

Bibhas De 12/29/2019



Rube Goldberg

LIGO INSTRUMENT PHILOSOPHY

Instrument philosophy? That sounds a little overblown. But not when it comes to LIGO. Like all other advanced instruments of scientific discovery, LIGO of course has an instrument operating principle. But for LIGO, there have been added to this other operating elements: processes and procedures that exceed the boundaries of conventional physics; logic that strains conventional idea of logic; and when it comes to the Ligonauts, a cult-like cohesion, a CIA-like secrecy, a Madison Avenue-like media-mindedness, and an Area 51-like discouraging of interlopers. All this taken together can be described as an overall instrument philosophy.

This philosophy is necessary because the science cannot cut it. There needed to be stagecraft and atmospherics, painted-face clowns and magician's assistants, videos and animations.

LIGO cannot detect gravitational waves not because of low sensitivity, signal-to-noise problems, faulty data analysis procedure etc. LIGO is not designed to detect gravitational waves on the sky any more than a divining rod is designed to detect water or minerals in the subsurface. LIGO can neither be upgraded nor redesigned. It can be salvaged as scrap metal.

VERITY INTERVIEWS DAVID GROSS

[Eleventh-grader Verity Innocent was summering in California when a friend suggested she could try to interview physics Nobelist David Jonathan Gross. Verity's uncle the Berkeley professor set up the interview. Verity arrived at Gross' UCSB office. A public education skit 12/26/2021]

VERITY: Professor Gross, thank you so much for agreeing to see me. How much of you would you say is a physicist and how much a philosopher?

G: I do not make that distinction. Anyone whose mind soars over such areas as string theory, multiverse and the primitive atom has to be partly a philosopher.

V: A physicist must live in the straitjacket of laws and logic whereas a philosopher must necessarily transcend these. How does one make the two mesh – or not?

G: The two must meet halfway. Physicist must make adjustments and philosopher must restrain himself.

V: So, when you relentlessly push around the world the scientifically discredited ideas of cosmic blackbody and LIGO discoveries and even force them down the gullet of India, is the philosopher in you at work?

G: Eventually, yes. But first it's about providing leadership and shepherding the flock. It falls uniquely on me to rise above petty squabbles and decide what visions should be nurtured. Scientific correctness may have to be overridden by philosophical beauty.

V: Thank you. And who appointed you such a leader?

G: A good leader is appointed. A great leader appoints himself. Now, if you will excuse me, I need a fag.

FIRST EDITION:

Unchallenged privilege Kindle Edition

by Bibhas De (Author) | Format: Kindle Edition



3 ratings

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In February of 2016 the LIGO Scientific Collaboration announced the detection of gravitational wave predicted by Albert Einstein a hundred years ago, and the observation therewith of the violent merger of two black holes.

The finding was made using the billion-dollar LIGO instrument, and was hailed around the world as one of the greatest discoveries in human history.

This book shows that the instrument was fatally flawed in many ways and in many layers. These faults were completely understandable by the scientific establishment. Yet they rallied round the discovery and proceeded forcefully to install it as clinched science, ready to enter children's textbooks around the world. The many dissident voices of scientific reasoning that arose from outside the establishment were totally ignored.

National governments and legislative bodies came forward to powerfully endorse the discovery. The discovery was one of the greatest scams in human history. Its support by the establishment was the ultimate act of intellectual corruption against the citizens of the world, and a blatant act of deceiving the American taxpayers.



Val Kibauwski



Page Turner

Reviewed in Germany on September 16, 2019

Verified Purchase

It took 1 Billion bucks and a thousand men to build LIGO. It took Bibhas De 60 pages to dismantle LIGO. To understand how, it costs you 99 Cent.

SECOND EDITION:

FAKE BABAS OF PHYSICSVILLE

In India some conmen assume the guise of much-trusted holy men (sadhus, babas), and promise to create for you *paiso ki barish* (rain of money; *paiso* = money, *barish* = rain). You bring a suitcase full of hard cash to the fake baba's jungle hideout in the hope he will make double that money rain from the sky for you. The rest you can guess.

The LIGO leaders – the gravitational wave discovery gurus – get your paiso via your national coffer. They promise you a firmamental barish. Can you guess what will happen next to you? *It's a hard rain's a-gonna fall.*



THE AUTHOR: Bibhas De busts physics gigabuck gigascams. Whether they are conducting this in the high frontier with a NASA satellite, on the white expanse of Antarctica with a coffee-can telescope or in the Louisiana bayou country with a kilometers-long latter-day dowsing rod, he unmasks them. His service to you is *gratis*.



Second Edition: LIGO unravels

UNCHALLENGED PRIVILEGE

The Billion-Dollar Trilateral
Gravitational-Wave
Discovery Scam



An investigative report by

BIBHAS DE

Author of *The Falsifiers of the Universe*

PART IV

THE DARK SECTOR

**AN APT COMMENT ON
BIG BANG COSMOLOGISTS**



**“all this stuff about dark matter is
total bullshit”.**

**Prof. Dr. Martinus Justinus Godefriedus Veltman,
Physics Nobel Laureate,
Speaking at the Lindau Nobel meetings, July 2010**

Very briefly, the dark sector (dark matter and dark energy) is Big Bang-linked speculation. Dark matter is said to be evinced by its gravitational effect on visible matter, and dark energy by its pushing visible matter outward (accelerated expansion of the universe.) Dark energy is said to be verified by the Perlmutter-Schmidt-Riess “discovery” of this acceleration.

David Gross has been a major motive force in keeping these speculations in mainstream physics and cosmology – especially through appearing in gabfests.

What is the dark sector built on: The 2.7 K black body (i.e. all of Big Bang), and the accelerated expansion of the universe (also resting on the black body.)

So, this is a chain of fraud begat fraud. A diabolic fraud at the core (like deep-seated cancer) – never acknowledged – continues to expand and metastasize in various guises – to overwhelm that which we call science.

Understanding

DARK MATTER AND DARK ENERGY

with Bibhas De

What are these?

DARK MATTER is something that possesses properties of matter (such as gravitation) but cannot be detected by known ways in which matter is detected (e.g. by emission/absorption of electromagnetic radiation).

DARK ENERGY likewise manifests itself by its effect on matter but cannot be classified as any of the known forms of energy.

Dark Matter and Dark Energy in *Big Bang Cosmology*

They are nonsense concepts arisen from having created a scam science in the first place.

The reported discovery of Dark Energy (Nobel Prize 2011) is a scam.

Dark Matter and Dark Energy in *String Theory*

This is a freakshow playing to non-scientific public.

Dark Matter and Dark Energy in the *Foundation of Physics*

OK, now we are talking. I can tell you about this because I am the guy who reported the theoretical discovery of Dark Matter and Dark Energy in 1996 (though not by these names). Dark Matter is magnetic field. Dark Energy is linked to this Dark Matter because of a certain ambiguity that now arises between matter and energy. Early credit for this idea belongs to Michael Faraday and James Clerk Maxwell both of whom independently suspected that magnetic field in empty space corresponds to an actual physical presence there. I showed that there is a presence.

The scientific establishment – especially that exemplified by the likes of Frank Wilczek and Edward Witten – does not acknowledge the existence of this duly published report and pretend that they are doing something new in this field because, evidently, they are scientifically dishonest.

Start exploring my ideas here: www.bibhasde.com/magmass.html

THE PERVERSE ACCELERATING UNIVERSE

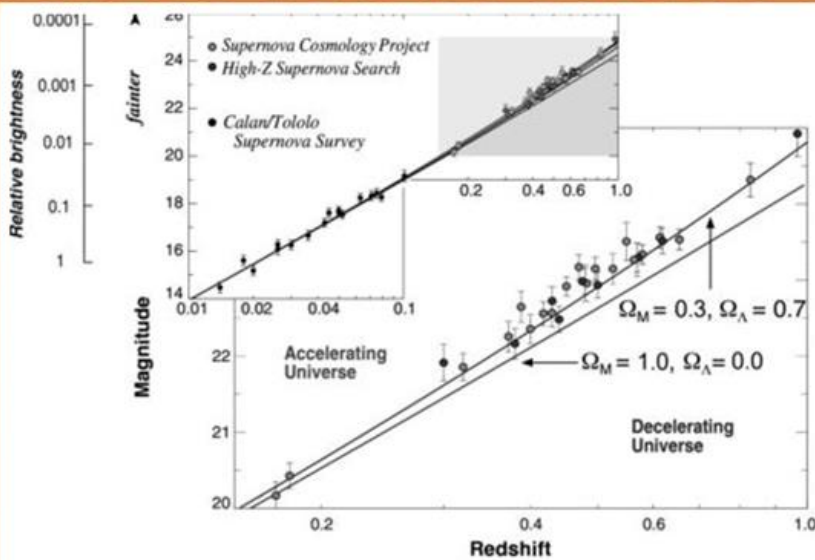


Figure: "The Hubble diagram plot of the apparent magnitude of Type Ia supernovae plotted as a function of their redshift (top). At a redshift below about $z = 0.1$, there is a linear fit to the data, but at larger redshifts the observations begin to diverge from a straight line. The curved departures for distant supernovae at high redshift indicate an accelerating universe in which the speed of expansion is increasing. (Adapted from Saul Perlmutter, *Physics Today* April 2003.)"

In my book *The Falsifiers of the Universe* I explained in detail why this universe-shaking discovery (Nobel Prize 2011 to Perlmutter, Schmidt and Riess) was a very earthly scam. Here is a clear point of logic. There are two data clouds: The old data (left part, $z = 0.01 - 0.1$) establishing the Hubble straight-line template (expanding universe), and the newly obtained "discovery" data (right part, $z = 0.2 - 1.0$) showing upward deviation from that template, indicating - theory says - an accelerating universe. But suppose that historically the right cloud had been found first and the Hubble straight-line template had been firmly established with *it*, exactly how and why it was done originally. (The logistics or the historical plausibility of this happening are irrelevant.) Then the left cloud was just recently found. What now...?! In any event, the accelerating universe rests on the expanding universe which in turn rests on the 2.7 K blackbody spectrum whose discovery is a fraud. So fraud begat fraud. 01/20/2019

THE FALSIFIERS OF THE UNIVERSE



BIG BANG COSMOLOGY:
The first fraud in the final frontier

Bibhas De

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UNDER THE AEGIS OF THE GODDESS OF TRUTH
THE AUTHOR INVESTIGATES
BIG BANG COSMOLOGISTS

Excerpts from the book:

Slowly abject scientific quackery had morphed into diabolic deceit. Increasingly strident rhetoric about advanced space-age technology and fantastic measurement accuracy was made to swirl around the deceitful discovery. Every power group that could be mobilized to protect the enterprise was mobilized to protect it. Every accolade that could be bestowed to whitewash over it was bestowed to whitewash over it.

It was a very dark chapter of science.

There is a Bengali proverb about sleaziness:
Lewd dancing going on behind the veil of modesty.
Here we have an entire phantasmagoric orgy being played out on the world stage – among the noblest of noble intellectuals. Taxpayers are footing the bill.



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SAUL PERLMUTTER, *Big Bang Nobel Laureate*

So either Perlmutter has to accept the 2.7 K and fall with it when it falls; or he has to reject the 2.7 K and lose his Discovery Template. Either way, he has no discovery of any kind. Just some fine astronomical observations.

Thus it cannot be said that there is a Big Bang Firewall between the Perlmutter and the Mather discoveries or between their scams. As goes Mather so goes Perlmutter.

You can't dance at two weddings with one behind.

Yiddish proverb

Nobel Prize Lessons

INSPIRATIONAL PROFILES OF CEREBRAL FRAUDS



WOO WOO ...THE GREAT PERLMUTTER SCARE!

Now young folks, let me tell you a story 'bout a dude I heard of. When Saul Perlmutter reported his discovery, you were not even born. One morning – it was like any other morning – the world woke and heard that the Universe is falling apart. People became worried and started calling any scientists they could reach, asking: "How much time have I got?"

Saul's discovery came out of the womb of Big Bang. But at the time he was given the Nobel Prize, Big Bang stood totally disproved (because of the fraudulent 2.7 K blackbody spectrum which had earlier got the Nobel.) So a fraudulent Nobel discovery was created on the back of another fraudulent Nobel discovery, even though the Swedes knew everything.

Saul does his fraud with finesse. It is not difficult to see through the fraud. It is difficult to know how best to put it in words. I have explained this



scientifically in my book, but here is a general way for you to understand it. Saul built a steel-belted radial tire. First he put a steel ply. Then he put a loose cotton ply. Then he put a glass ply. Then he put a ply of wispy nothing. And so on..., finishing up with a steel ply. He falsely used loose assumptions and conjectures as logical scientific steps to erect his fantastic story. In a quality scientific setting, he would be laughed out of the hall where he was unveiling his 'discovery'. In a Nobel-faked world, he's a great discoverer. By today this 2011 Nobel Prize stands seriously questioned by Saul's peer. Today he is one fluffy treed Nobel cat.

Duty to Inform

A world education message from Bibhas De 12/24/2017



THE HOT DAMN HYPOTHESIS

(2011 NOBEL PRIZE FOR PHYSICS EXPLAINED)

On the day of summer solstice at high noon, three American brothers are passing in front of the Royal Swedish Academy of Sciences (kva) in Stockholm. They come upon a tall Swede who is just walking out of the kva.

1st American: You are taller.

Swede: Excuse me!

2nd Am: You are taller than what our Hot Damn Hypothesis says.

Sw: What is the Hot Damn Hypothesis and what does it have to do with me?

3rd Am: Hot Damn Hypothesis was formulated by our Grand Dragon Bishop LaMuerte. It says that if you meet a Swede at high noon on summer solstice in front of the kva, he will be 5 feet 10 ½ inches tall.

Sw: Well, I am 6 feet 2 inches. So your hypothesis is wrong.

1st Am: No, the HDH is Received Truth and cannot be wrong. So give us a minute to figure out what is going on here.

[The three brothers huddle. Suddenly their faces light up all at once.]

2nd Am: We've got it! It is nothing less than a shocking physics discovery. The HDH also says that after high noon, the height will be greater. That means that even though our watch says high noon, it is actually later than that.

3rd Am: So our discovery is that the speed of spinning of the Earth is accelerating!

Sw: Hot damn!! Well, come in, come in. Let's go into the building and have some refreshment while I see if I can rustle up couple of three Nobel Prizes.

GROSS AGONISTES

Merda taurorum animas conturbat

At Lindau Nobel Laureate Meetings 2021, there was a panel discussion on Dark Matter/Dark Energy. Nobel-certified beautiful minds cogitated, agonized and prognosticated on what may come of these fantabulous ideas in their transhuman mindscape.



DARK AND BLACK (2021)

Reinhard Genzel, David J. Gross, Saul Perlmutter, Rainer Weiss, Saskia Plura; Moderator: Sybille Anderl

Twenty-five years ago, I published this idea on matterless mass. As of today, there are only a few citations – all by self. So, why does this community exploring matterless mass pay no heed to a long-standing paper on exactly that subject? The answer in a word: Escapism. These geniuses are in their elements only in the remotest, most 'esotericized' and most untestable reaches of physics they inhabit. Bring them down to the arena of conventional physics, and they are like fish out of water. Haven't we proof of this in the design of their genius-bogus experiments?

GRAVITATIONAL MASS OF MAGNETOSTATIC FIELD

Abstract. Maxwell's displacement current equation is interpreted in the light of recent work to show that static magnetic field in free space should have a colocated and contemporaneous mass that is neither embodied in, nor can be anticipated from, the mass-energy relation. Thus magnetostatic field in the universe represents an 'invisible' mass. Some consequences are discussed.

Bibhas De 12/24/2021

A free world education eBook

CASEBOOK OF BIBHAS DE

A NEW VIEW OF MAGNETIC FIELD

Our entire theoretical conception of magnetic field in empty space was formed, and cast in bronze, in an epoch when our observational knowledge of magnetic field in the universe was but a minute fraction of what it is today.

Subsequent observations, such as the spectacular manifestations of cosmic magnetic field, were force-fitted into that 'childhood' conception - without any second thoughts whatsoever.

PART V

STRINGS OF THE MIND



Everyone has their own mental grasp of String Theory – correct or not. To me it is a substitute way of trying to describe natural phenomena at the smallest size scale. It brings to mind Benoit Mandelbrot's fractals, Stephen Wolfram's 'A New Kind of Science', and – in a way – neural networks. Outside of science, it calls to mind the pointillism movement in art. The operative word here is *substitute* (or *ersatz*.)

David Gross pushes String Theory hard while at the same time adding many 'outs'. He speaks of having faith to persevere, after four decades. What is this?! There is that old saying about getting off the potty.

Why was it necessary to commercialize String Theory as extensively as it was – books, TV programs, festivals, lectures ...? I mean a few individuals at the output end of String Theory plant are bankrolling it while the taxpayers are injecting their hard-earned money at the input end. It could be seen as a regular scam where the boiler-room is secreted in the intellectualdom, in the most esoteric reaches of physics and philosophy.

I cannot say if Gross is invested in String Theory because of his student Edward Witten, but it seems a reasonable inference. That gets us back to the dynasty thing.

Gross's own Nobel-winning theory remains unverified. He has pushed together two clear frauds: Cosmic black body and LIGO. He is wallowing in the dark sector to no one's benefit. And string theory for him is clearly a means of self-pleasuring.



NOVA: How far are we along the road to fully understanding string theory?

Gross: String theory could be right and totally incomplete. It's as if we've stumbled in the dark into what we thought was a two-bedroom apartment and now we're discovering is a 19-room mansion. At least. Maybe it's got a thousand rooms, and we're just beginning our journey. It's very hard to tell. Often in physics, you have an experiment, which is a great crutch and a great help because it at least tells you what the problem is and where it ends. All you have to do is get there.

But when you're exploring a theory of this type and its implications are most evident in the early history of the universe, about which we have very little direct evidence, we're not sure where the story ends and how much farther we have to go. It is quite unknown.

NOVA: With a total lack of experimental evidence, what gives you faith that you are heading in the right direction?

Gross: Why do we still have faith in this theory, which we can't yet truly test and which hasn't yet succeeded in calculating anything? Well, partly, it is its incredible

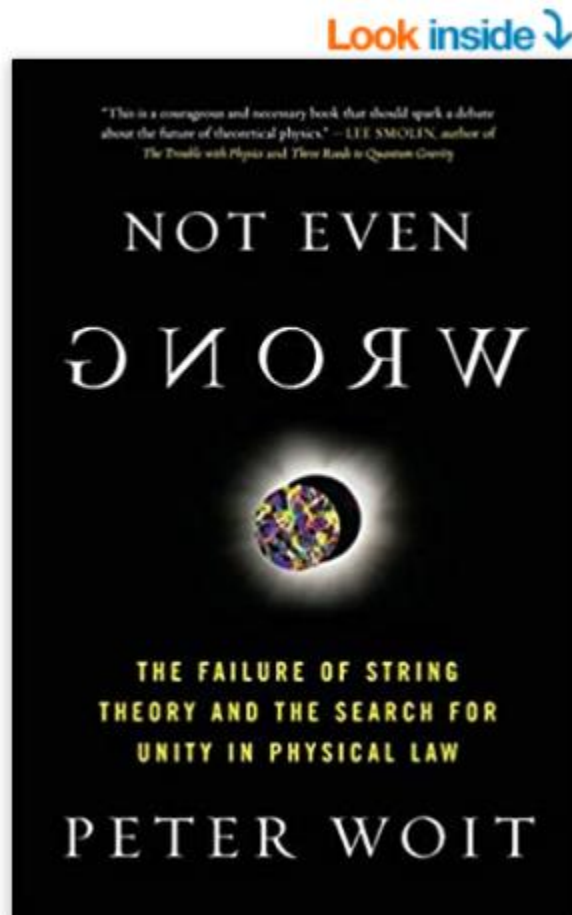
intellectual structure, which continues to develop in a consistent and increasingly powerful way. The fact that it generates interesting mathematics is very exciting to some. That doesn't have that much of an impact on me, but the fact that it has this conceptual structure does.

The fact that it has begun to address some questions that have been around for 70 or 80 years and reconciles relativity and quantum mechanics convinces me that it is on the right track. Unless you have some faith, you're not going to stay in this kind of speculative field.

NOVA: And you've got the faith.

Gross: Yes. Six out of seven days of the week!

~^~^~^~



Not Even Wrong: The Failure of String Theory and the Search for Unity in Physical Law Paperback – September 4, 2007

by [Peter Woit](#) (Author)

★★★★★ 149 ratings

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At what point does theory depart the realm of testable hypothesis and come to resemble something like aesthetic speculation, or even theology? The legendary physicist Wolfgang Pauli had a phrase for such ideas: He would describe them as "not even wrong," meaning that they were so incomplete that they could not even be used to make predictions to compare with observations to see whether they were wrong or not. In Peter Woit's view, superstring theory is just such an idea. In *Not Even Wrong*, he shows that what many physicists call superstring "theory" is not a theory at all. It makes no predictions, even wrong ones, and this very lack of falsifiability is what has allowed the subject to survive and flourish. *Not Even Wrong* explains why the mathematical conditions for progress in physics are entirely absent from superstring theory today and shows that judgments about scientific statements, which should be based on the logical consistency of argument and experimental evidence, are instead based on the eminence of those claiming to know the truth. In the face of many books from enthusiasts for string theory, this book presents the other side of the story.

From my blog *The Dreamheron Chronicles*, December 6, 2016. This skit remains applicable today.

EDWARD WITTEN, is it soup yet?

Ever since Edward Witten descended into the field of physics with tremendous fanfare, he has been continually anointed, adored, adulated and advertised. Awards and accolades have flown to him like moths to a flame. And the moneys have accumulated to millions.

All these were given in anticipation of something great coming from Witten in due course – something that would make physics whole once for all. Perhaps a latter-day *Principia* – the *Wittenopia*. There may be a new kind of physics, *Wittenics*.

Edward Witten may be a rare person who has been groomed so intensively and extensively before he has made any contribution to physics (hucksters and touts will disagree).

Witten has been enjoying this grooming in a promisory spirit. It is as though every prize check came to him with an implied question: Is it soup yet?

Now at age 65 – after he has had more than 30 years to make good on the promise – Witten has an answer.

MacArthur Fellowship (1982)

Q: Edward Witten, Is it soup yet?

W: I am just getting started!

Dirac Medal (1985)

Q: Edward Witten, Is it soup yet?

W: I am stoking the fire.

Albert Einstein Medal (1985)

Q: Edward witten, Is it soup yet?

W: It's going.

Fields Medal (1990)

Q: Edward Witten, Is it soup yet?

W: It's starting to simmer.

Alan T. Waterman Award (1995)

Q: Edward Witten, Is it soup yet?

W: Juan's stirring it.

Dannie Heineman Prize (1998)

Q: Edward Witten, Is it soup yet?

W: Len's setting up the table.

Nemmers Prize (2000)

Q: Edward Witten, Is it soup yet?

W: Almost. I think I will call it ~~M-Soup~~ C Soup.

National Medal of Science (2002)

Q: Edward Witten, Is it soup yet?

W: Cumrun's getting the croutons.

Harvey Prize (2005)

Q: Edward Witten, Is it soup yet?

W: Michio and Yoichiro are adding a bit of Miso powder.
Ashok wants to add a touch of curry powder!

Henri Poincaré Prize (2006)

Q: Edward Witten, Is it soup yet?

W: Joe's chopping the fresh herbs.

Crafoord Prize (2008)

Q: Edward Witten, Is it soup yet?

A: Brian's folding in the cream.

Lorentz Medal (2010)

Q: Edward Witten, Is it soup yet?

W: Nima's gonna add a drizzle of honey. No soup for you, Woit!

Isaac Newton Medal (2010)

Q: Edward Witten, Is it soup yet?

W: John's pre-warming the soup bowls. No soup for you, Smolin!

Fundamental Physics Prize (2012)

Q: Edward Witten, Is it soup yet?

W: Nathan's getting the ladle. No soup for you, Glashow!

Kyoto Prize (2014)

Q: Edward Witten, Is it soup yet?

W: One moment. My prof David's gonna taste it as soon as he places his bet. Then Yuri'll say grace.

Albert Einstein Award (2016)

Q: Edward Witten, Is it soup yet?

W: Ta-da! Just as I promised: The C Soup – the Circumstantial Soup! Rich, and with a delicate consistency. Enjoy!

EDWARD WITTEN FINALLY DELIVERS ON HIS 30-YEAR PROMISE TO REVOLUTIONIZE PHYSICS: The Circumstantial Soup

... there are many circumstantial reasons to believe that String Theory and its elaboration in M-theory are closer to the truth about nature than our presently established theories. String/M-theory is too rich and its consistency is too delicate for its existence to be purely an accident.

(After years of elaborate gestation) the mountain gives birth to a mouse. – Bengali proverb

PART VI

CARIBBEAN COMFORT



Lawrence Krauss

Jeffrey Epstein

We are all uncomfortable with the subject of Pedophile Island. If David Gross were my friend, I might be instinctively moved to think up an innocent explanation for his visit there. But Gross has shown chronic bad judgment and wanton bad conduct in his profession. This is why I am inclined to probe further. It is true that when he visited the place (March 2006), Jeffrey Epstein's dark activities were not public. But some of it had to be known to Lawrence Krauss, friend to Epstein and Gross, and the person at whose instance Gross went there. Epstein was under police investigation since 2005, and conviction took place in 2008.

Krauss and Gross met over the vaunted Origins Project at the Arizona State University, started about 2009. Epstein donated money to this project. In 2011, Krauss said he was proud to know Epstein, the revelations notwithstanding: "As a scientist I always judge things on empirical evidence and he always has women ages 19 to 23 around him, but I've never seen anything else, so as a scientist, my presumption is that whatever the problems were I would believe him over other people. ...I don't feel tarnished in any way by my relationship with Jeffrey; I feel raised by it."

So, knowing everything now, Gross still did not distance himself from Krauss. Then broke the news of the sleaziness of Krauss himself, about 2018. ASU parted company with Krauss but Gross did not. Today he adorns the Advisory Board of a business venture Krauss has formed under an intellectual facade. All this adds up for me to one question: Would it have mattered at all to Gross in March 2006 if he knew about the activities of Epstein?

DAVID GROSS and KIP THORNE



Motive forces in historical physics corruption

Here you can see the like-minded duo hanging out – real cool – on Pedo Island in 2006. Below you can see that Gross was a specially invited guest at the Nobel Award ceremonies in 2017 for Thorne's fraud discovery. This is your sad sad world. But I am fixing it for you, gratis.

A public service message from Bibhas De 12/01/2021



2017 Nobel Prize Award Ceremony

LIGO AND THE MEDIA

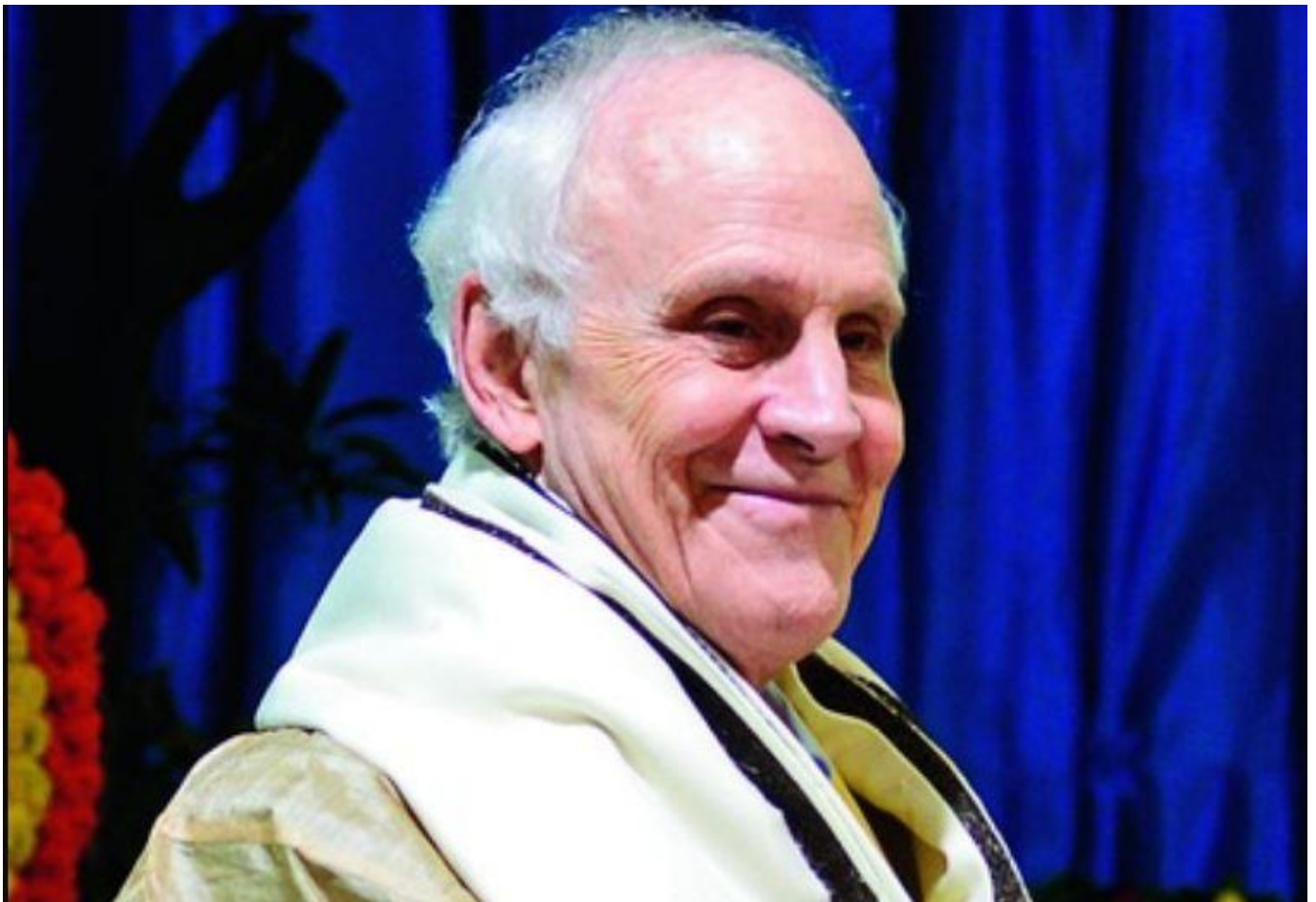
The ligonauts, through their alliance with the science media, have trounced the dissidents. The science media – not the scientific community - is installing the garbage science, and convincing governments to do so. That being the case, folks, why look away from *the other* current presence of LIGO in the mass media? You know, the one about the LIGO leaders and LIGO promoters as guests of Jeffrey Epstein. This *is* relevant. Here's what Katha Pollitt said: "What I can't get over is how Epstein successfully weaseled his way into science at the highest level by cultivating major figures in the field socially and spreading his wealth around. Science! The very temple of the pursuit of truth. Call me insufficiently jaded, but am I wrong to expect more of those we rely on to combat all of the nonsense swirling around us? "



08/23/2019

PART VII

SAVIOR OF INDIA



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I am a person of Indian origin, and so it is satisfying to me when I hear about a major western scientist adopting India to build her up in his area. David Gross has done so for more than three decades, and India in turn has accorded him great hospitality. But here's where the problem comes. The thing he is doing at home (pushing fraud) is also the thing he is doing to his hosts. In January 2017, he was reported in Financial Express as saying:

India has explored many possibilities to participate and lead in many major scientific projects around the world in the last 10 years but unfortunately when major projects are approved or are about to be approved, the tendency here to delay funding has severely damaged beneficial impact of those projects.

Two examples that I know of are LIGO India, which plans to study gravitational rays, many years after it were discovered, is moving at a snail's pace. Another is Neutrino Observatory, which has suffered due to many legal and political problems.

His telling Indians that intentional foot-dragging by their government is at work is totally off base. In fact, the Government science leaders in India (the current ones and those who preceded them) may have long had *scientific* concerns about LIGO. These leaders are well-honed scientists themselves. They are not easily duped. But when the LIGO discoveries and subsequently the Nobel Prize came, they had to endorse the project. Even so, they wisely did not approve everything all at once. The approval was to come in stages. How very prudent that was! If they did things the way Gross advised, that nation would stand to lose badly.

Nobel thought: red tape stifling talent

PRASUN CHAUDHURI

Jan. 4: India has taken huge strides in the field of science and technology over the past two decades and has the potential to be a global leader, but what holds back the country is its bureaucracy, Nobel laureate David Jonathan Gross said in Calcutta today.

"Most educational and scientific institutes are still governed by civil servants. Similar groups of officials regulate post offices. Everything is so centralised and inflexible. Also, there is political influence over science," Gross, recipient of the 2004 Nobel for physics, said during his keynote speech at the 15th an-



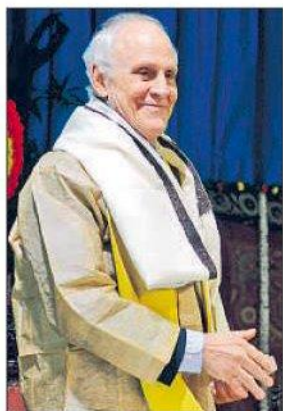
David Jonathan Gross and Mani Bhaumik at Taj Bengal on Wednesday. Picture by Rashbehari Das

The Telegraph



IGNORANCE BEHIND FANATICAL NATIONALISM, SAYS PHYSICIST

Hatred on the rise in India: Laureate



David J Gross in Calcutta on Tuesday. Picture by Bishwarup Dutta

SUBHANKAR CHOWDHURY

Calcutta: Religious hatred is on the rise in India, with many politicians inciting violence and hate to win power, Nobel-winning American physicist David J. Gross said here on Tuesday.

Speaking on the sidelines of the annual convocation of the Indian Statistical Institute, he said it was depressing that the country that produced Mahatma Gandhi was still grappling with the caste system in the 21st century.

"Fanatical nationalism, racism and bigotry" were as much the subject of Gross's

convocation address as their opposite — the spirit of scientific enquiry — with the physicist regretting the rise of regressive tendencies in his own country.

"The cause of many of these problems is sheer ignorance — the ignorance of the science that could solve many of the world's problems, the ignorance of basic facts, such as the fact that all of us had a single mother only a few thousand generations ago — that makes racism and bigotry still possible and the ignorance of other cultures that promotes fanatical nationalism," Gross, chief guest at

the event, said.

But he added that ignorance itself was "not so bad", and that the "driving force of science is the questions we ask, which are the embodiment of ignorance".

"The reason that fundamentalists are so dangerous is not so much that they are ignorant but that they are certain that they possess the absolute truth. It is this certainty that can lead to repression, bigotry, racism and fanaticism," the professor of theoretical physics from the University of California, Santa Barbara, said.

Later, asked whether fanaticism and bigotry had be-

come more visible in India in the past few years, Gross said: "These trends are not uncommon in India. It's common throughout the world; certainly in India.... Many politicians try to incite violence and hatred so that they can get to power."

To another question, he said: "Unfortunately, religious hatred is on the rise here as it is in many places."

Gross, who said he had been visiting India for the past 30 years, praised the country's progress in tackling hunger and enhancing life expectancy.

CONTINUED ON PAGE 4 ►

Home / India / China seizing opportunities in scientific research area to foster growth: David Gross



China seizing opportunities in scientific research area to foster growth: David Gross

2004 Nobel laureate in physics David Gross said on Tuesday that the reason for the growth of China, is that it doubled its spending on scientific research in the recent past.

Gandhinagar |
Updated: January 11, 2017 3:06:31 am



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“
....
Modi had a dinner with the Nobel laureates Monday after inaugurating a Nobel Exhibition at Gujarat Science City in Ahmedabad. “India has explored many possibilities in the last decade or so. Unfortunately, even in the cases where fascinating new projects have been approved or are about to be approved, the tendency here to delay funding by running into legal obstacles, has severely damaged the potential of such projects.” Citing the Ligo India Project, Gross said, “Inexcusable political and legal delay in such a way that there is a big danger of (India) losing a marvelous opportunity...So, the opportunities are there...China is seizing upon them... in all aspects of basic science... and India must rise with its ambitions for its own benefit, for the benefit of science and for the benefit of the world and I strongly encourage and support such efforts.”
....”

COLONIAL PERKS



THEN - BURRA SAHIB
NOW - BARHIYA SAHIB

David Jonathan Gross stares at the city skyline from the terrace of his presidential suite at a five-star hotel in Calcutta. Apart from endless rows of cars on Red Road, it offers him a clear view of the racecourse and Victoria Memorial basking in the pleasant winter sunshine. "I love this city," says Gross. "I find it engagingly exciting, with its sound, tastes and culture - warts and all."

The Telegraph Published 30.01.17



DAVID GROSS LOVES INDIA

David Gross' personal mission in India is actually much bigger than the science mission. As he visited India, he issued statements to the media there on a whole range of problems the nation has with her social system and her governance. He is always finding fault with his host country in some area or another and giving interviews. These are the usual litany of age-old problems everyone is fully aware of. So, he has the zeal of a colonial master wanting to lift the natives from the clutches of casteism, racism, religious conflicts, timeserving bureaucrats, etc. To understand Gross' engagement with Indian physics, you have to consider the entirety of his engagement. I think this sheds light on why he exercises such overbearing authority on science in areas he in fact has no authority.

This larger context is not a subject I have any facility to write about. But most fortunately, I remember reading about this exact issue addressed in a blog post. This is written by a western physicist and thinker who can look at India objectively and distantly. Therefore I simply reproduce here that piece. The hyperlinks do not come through but one can go to the original site to see them.

I think what emerges is important: Gross is recklessly irresponsible and shallow in the views he promulgates from his high platform. He is narcissistically self-absorbed. He is in love with the power his own voice has over science and society.

Yes, he sure talks a lot!



the reference frame

SUPERSYMMETRIC WORLD FROM A CONSERVATIVE VIEWPOINT (🤖)

By Luboš Motl

Wednesday, January 10, 2018

David Gross attacks India for nationalist hatred, too

His "scientific" arguments to establish a political thesis are "skewed"

One month ago, I discussed David Gross' message of love and peace: in his crusade against hatred, he was dreaming about the early death of Donald Trump and his ilk such as his tens of millions of voters. Like Nathan Seiberg, David Gross is visiting India and The Telegraph India wrote something about his political views:

[Hatred on the rise in India: laureate](#)

Ignorance behind fanatical nationalism, says physicist

He repeated that it's important to fight against hatred – and that's why he hates ;-) Donald Trump – but it's a mistake to blame 100% of the evil in the multiverse on Donald Trump. It's somewhat less than 100% – the whole world fails to conform to Gross' far left criteria. One nation

that currently sucks is India, which he is visiting, the Indian journalists were kindly told.

According to Gross, all the Indians should be identical to each other and they should also be identical to Mahatma Gandhi and cry when someone gives them a bucket of water – because the river may die of thirst.

He mentioned recent tensions in Maharashtra which have actually displayed a tussle between two competing nationalisms. Gross thinks that such things – and the caste system – don't belong to the 21st century.

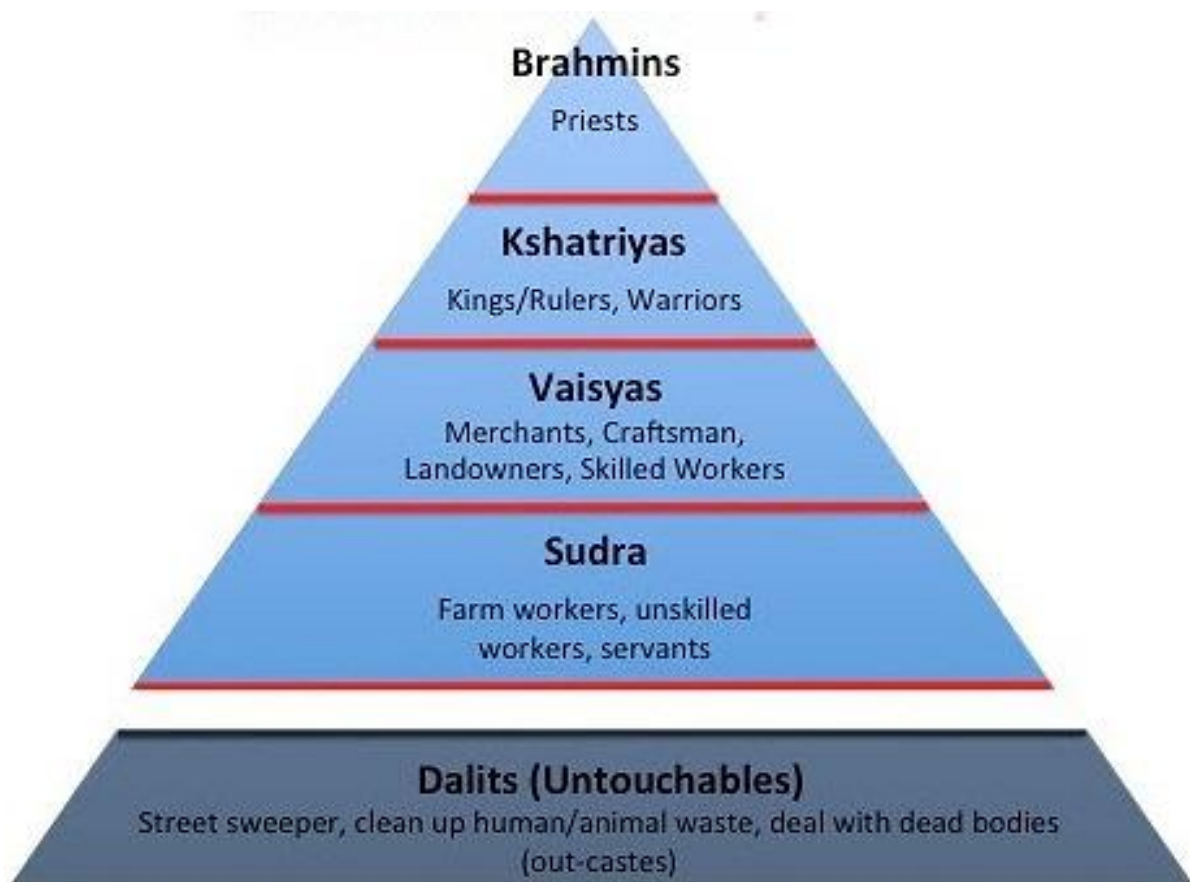
But it's Gross who is deluded. Such things and tensions are unavoidable in the 21st century and if most classes of Indians survive at all, they will be unavoidable in the 22nd century and many following centuries, too.

India isn't a uniform egalitarian nation created according to some idiotic, extreme leftist, politically correct standards. No nation in the world is a real world incarnation of such a thesis. But the politically correct, egalitarian ideas are *particularly* wrong in India which is one of the most culturally and socially diverse countries in the world.

First of all, India has an amazingly diverse market of religions. 80% of Indians enjoy Hinduism and 14% are Muslims (Pakistan and Bangladesh were previously unified "two side pieces of India" that were defined to have a majority Muslim population). Christianity gets 2.3% and Sikhism, Buddhism, and Jainism – three other religions born in India just like Hinduism – boast 1.7, 0.7, and 0.4

percent, respectively. Other religions have collected 0.7%. Also, 0.2% of the people were irreligious or had an unstated religion – a somewhat lower percentage than 75% in Czechia. ;-)

On top of the standard names of religions, one finds various cults such as Hare Krishna movement, the Brahma Kumaris, the Ananda Marga. Add the traditions from the Vedic period, Yoga, and others (including the teas from India). The length of Indian names is highly diverse, too. Someone is called Sen, someone is called Balasubramanian.



The picture only shows 5 basic categories ("varnas") but there are 3,000 castes and 25,000 subcastes in the Indian system!

Gross has also attacked the caste system in India. What he may fail to realize is that by this attack on this extremely traditional aspect of the Indian culture, he is really attacking something that makes the Indians Indian. He really acts like an anti-Indian bigot and xenophobe, if I use the language of his far left comrades. (It's strange how easy it is for Gross and soulmates to criticize basics of Hinduism while tenets of Islam are untouchable – in the sense of uncriticizable.) Castes have existed in India for some 4,000 years or so. They were basically deactivated during the British colonial regime. When India became independent, they could restore some of the structures they have considered natural for quite some time and the caste system is among them.

I am no expert in 19th century history of India but almost exactly 200 years ago, on January 1st, 1818, there was the historic battle of Bhima Koregaon. Baji Rao II (a puppet installed by the Maratha nobles – he was formally a "Peshwa" i.e. the prime minister) fought against the British East India Company. The Britons easily won a Blitzkrieg and the lore says that it was because of some of their courageous and valorous soldiers, the Dalits from the Mahar (lowest, untouchable i.e. totally ostracized) caste.

OK, so 200 years later, the Mahar caste is still around – 10-12 percent of the regional population – and they celebrated the anniversary of their 1818 (and British) triumph. The losers in the battle were Pashwas and people from that community were 1) Brahmins, and 2) organizing

the ostracization of the untouchable castes.

You may imagine that all these old and important battles are unavoidably imprinting themselves to the modern politics. So Dalits consider Devendra Fadnavis, a Brahmin chosen as the governor of Maharashtra by BJP- RSS (the ruling party of India now, Modi is from BJP), to be a new "Peshwa", i.e. the kind of jerk whom their brave ancestors defeated 200 years ago.

To be honest, I don't want to learn all the details of these political struggles and tensions but unlike David Gross, I get the basic key point – that they exist and they simply cannot spontaneously evaporate. Every child is born into some culture and/or caste and/or religion and in India, these groups simply are more separated or segregated than in other countries – and to some extent, such groups are segregated everywhere, of course.

It's just plain silly for Gross to "demand" a world where all these borders and castes and religions and memories don't exist. They do exist and they're very important. Also, whether you like it or not, they affect most of our Indian physicists and scholars whom we know in the U.S. I think that Edward Measure got it right when he wrote that Indians in the U.S. are leftist in the American sense but they are naturally right-wing according to the Indian criteria – as members of a wealthy, English-speaking class if not a caste.

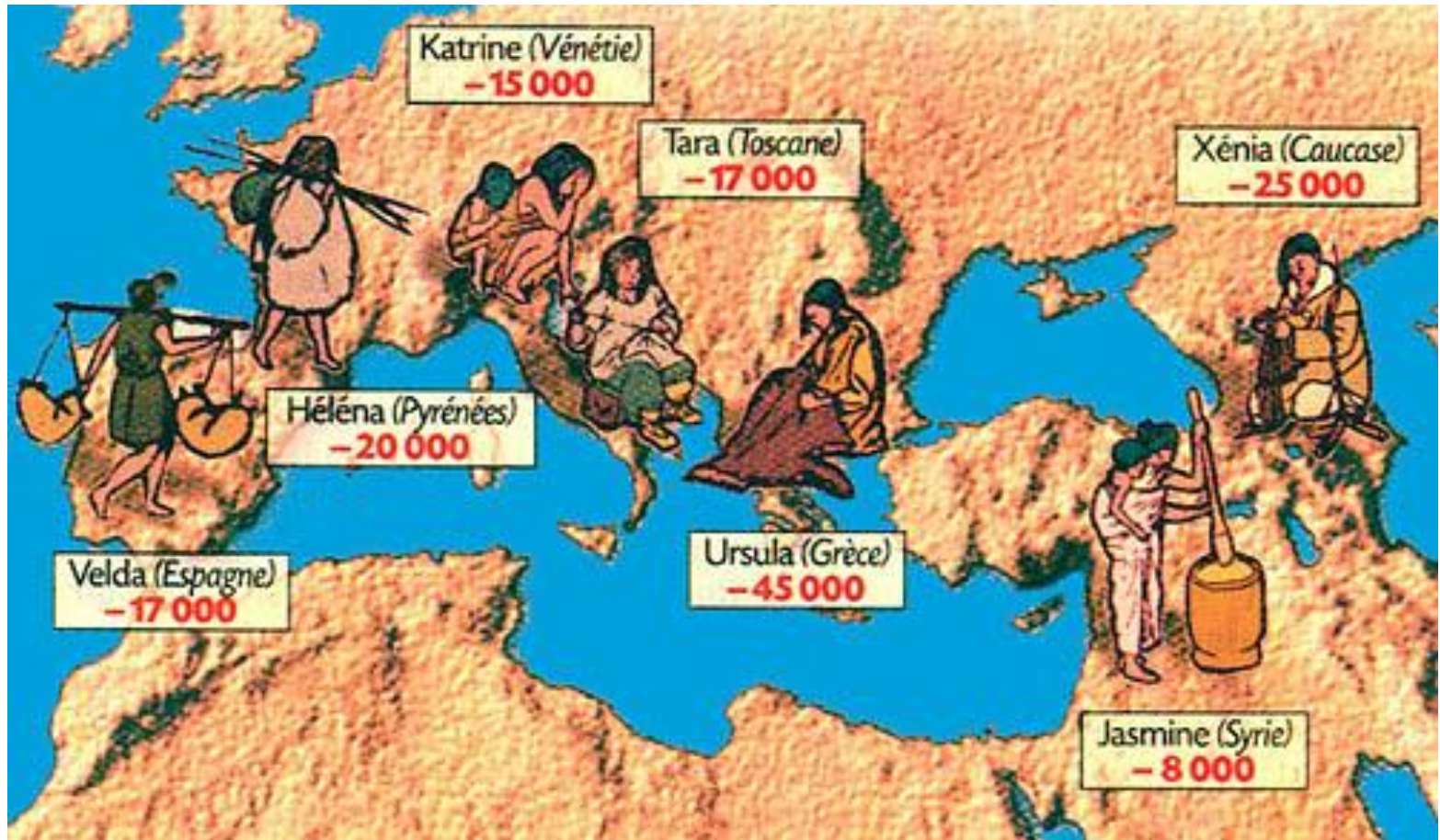
So Gross basically wants to throw the families and ancestry of the Indian physicists whom we know into the trash can as well.

Verbal exercises used by Gross to promote his extreme egalitarian ideology make me laugh. All this "fanatical nationalism, racism and bigotry" which has also manifested itself in Maharashtra is "scientifically ignorant" because all these people are unaware of our shared mother, the mitochondrial Eve who lived some 100-200 thousand years ago. (See also the Y-chromosomal Adam for a male counterpart but don't forget that these two stories aren't isomorphic to each other.)

Now, it's a ludicrous argument, indeed. All of us may share a female ancestor – to one extent or another, "something like that" follows from Darwin's theory about the origins of life, anyway. But aside from these things we share, there are also things we don't share, all the divergence that was created in the thousands of generations since the mitochondrial Eve. This divergence is also perfectly scientific – after all, that divergence is the content of evolution which gave a name to Darwin's theory – but it is David Gross and not the targets of his criticisms who completely deny the very existence of this divergence, of these differences, barriers, or segregation.

When does Gross' picture of the unity of the mankind – derived from the mitochondrial Eve – start to break down? Well, this unity got broken as soon as the mitochondrial Eve got pregnant and had daughters,

the seven daughters of Eve. The mankind is divided to these seven groups according to the "first generation after the shared one". The genetic classification builds on the haplogroups U (U5), X, H, V, T, K, J, and the daughters of Eve have been semi-jokingly named Ursula, Xenia, Helena, Velda, Tara, Katrine, and Jasmine – see a photograph. ;-)



Just to be sure, the most recent shared mothers of these seven haplogroups didn't necessarily live at the same time – the birthdays are seen on the map above – so the label "sisters" is a poetic license.

So David Gross may highlight the fact that just "a few thousand generations ago" (he uses the unit "generation" for the number to look smaller – it's still the same

100,000-200,000 years) our shared foremother was alive. But an equally if not more important aspect of these observations is that for almost the same 100,000-200,000 years (or thousands of generations), the mankind has been divided to descendants of Ursula and her six sisters. ;-)

From a scientific viewpoint, the insights about the seven daughters – about the Haplogroups – are more interesting and have more "beef" than the mitochondrial Eve herself because some nontrivial data are actually appearing and require some explanations or checks. By overselling the mitochondrial Eve and completely hiding her seven daughters, and by claiming that this is the picture by which "science directly implies his political beliefs", David Gross is cherry-picking and he is abusing science to a similar extent as the Nazis and Lysenkoists did.

Science just doesn't imply that the caste system should be abolished or that all of us should behave as siblings and it's painful for David Gross to repetitively suggest that science is linked to these extreme political beliefs that he holds.



EVERY BIG-BANG SAHIB VISITING INDIA INSULTS THE HOST!



MATHER



SMOOT



GROSS

Take for instance Nobel Laureate John Mather. He went there and told eager bright-eyed teenage kids assembled to receive his homily not to dream big: "Don't make big plans." A while ago he had told a group of graduating American kids: "We want you to run the world for us."

And then came Nobel Laureate George Smoot. He gave a commencement address in which he insulted the graduating students right and left: You must be fools to go and get a degree; the biggest technology tycoons do not have a degree; etc et al. He also told them that his father – some type of hydrology expert – was responsible for India's agricultural bounty. Oh-kay then!

And now came Nobel Laureate David Gross. He said majority of Indian scientists are not world-class ("..the general standard is still very low".) He also gave advice on how to fix India's government and the political system and the scientific system and the industrial base and the leadership philosophy. While at it, he should have also advised on how to fix the India-Pakistan thing.

THE DAVID GROSS *INDIA MANIFESTO*?

Discover, invent in India

A country that aspires to become an economic superpower must first become a science & technology superpower.

Written by **David J. Gross** |

Updated: January 15, 2016 12:01:27 am

I love India! I love its people, its culture, and its vitality. I have many dear friends and colleagues and so have visited regularly over the last three decades. For years, I have felt that India, with its long tradition of excellent science, great scientists and scientific institutions, and rich cultural history that respects learning and excellence, has the potential to become a scientific power.

Many ingredients for greatness already exist. First, India possesses an immense pool of talented young minds. Many have been attracted abroad, where they have made enormous contributions to science and technology. This overseas community has strong ties to the country of its origin and is an important national resource that could greatly assist in the development of India. Given appropriate opportunities, many would return. Second, the Indian economy is booming, now reaching levels of growth second to none but China.

How can this potential be unleashed? I have worked with colleagues to aid this mission. For the last decade, I have chaired the International Advisory Committee formed to advise the new International Centre for Theoretical Sciences (ICTS), a branch of the Tata Institute of Fundamental Research in Bangalore, founded by my good friend Spenta Wadia. The ICTS, modelled on the Kavli Institute for Theoretical Physics in Santa Barbara that I led for 15 years, has as its goal to foster excellence in the basic sciences through its programmes, generating interactions and cross-fertilisation between disciplines, and acting as a node for scientific information and values. In June, we inaugurated the campus of the ICTS and welcomed its new director, my ex-student Rajesh Gopakumar.

My experience with the birth of the ICTS strengthened my optimism regarding India's prospects, but also taught me much about the

enormous difficulties in creating excellence in India and the perils of Indian bureaucracy. Last week, I attended the Indian Science Congress, where I had hoped to meet with Prime Minister [Narendra Modi](#), express some of my concerns and recommendations regarding the state of basic science in India. As this meeting did not transpire, I welcome the opportunity to present these here.

Prime Minister Modi challenged his nation to “Make in India”. But in order to “Make in India” and compete with better or cheaper goods from abroad, one must first “Invent in India”; and in order to “Invent in India” one cannot just rely on the underlying science done elsewhere, one must “Discover in India”. I suggest the strategy: Discover, invent, and make in India.

A country that aspires to become an economic superpower must first become a science and technology superpower. China has learnt this lesson well and is on its way to becoming a world leader, both in technology and in basic science. Realising this aspiration requires investment. Despite repeated promises, the percentage of India’s GDP devoted to research and development has remained for 15 years at a paltry 0.9 per cent — minuscule in comparison with developed countries: The US figure is 2.7 per cent, South Korea spends 4.4 per cent. In the last 15 years, Chinese investment in technology, higher education and the basic sciences has doubled. China now spends 2.1 per cent, and this percentage is rapidly increasing.

Without investment, there is no return. In the US, companies spend much on research and development of their products, but have realised that they cannot make truly new products without long-term investments in basic science that are best supported by the government. The recipients of the recently created wealth in technological sectors of the Indian economy should give back to their country to support excellence in the basic sciences. The lack of necessary funds for investment in science guarantees failure; but money alone will not produce the desired results. Were the R&D budget (relative to the GDP) to double, and were the GDP to double as well over the next decade, the resulting quadrupling of funds will only achieve its goals if there is fundamental reform in the structure of India’s higher education and research institutions.

Indian science is burdened with an inflexible, irrational and outdated bureaucracy. India imposes irrational bureaucratic regulations, such as severe restrictions on travel for young Indian scientists and for foreign collaborators, as well as forced retirement at a relatively early age for

excellent, and sorely needed, scientific leaders. The only rationale I can see for such a cumbersome and harmful bureaucracy (applying the same rules to the post office and to centres of scientific research) is the inability of the government to make informed judgements of quality.

This highly politicised system must be radically reformed and modified. Elsewhere, planning for science is largely protected from day-to-day politics. Funding flows to independent agencies (such as the National Science Foundation, the National Institutes of Health, and the European Research Council), independent of ministries and politicians, where scientists have much input to shape long-term plans for growth and development. Peer review is the norm. This is especially important in the basic sciences, which require long-term and stable funding.

The government and the bureaucracy alone cannot remedy the existing state of affairs. The scientific and educational community must step up. Scientists and educators must demand changes and they must help in shaping these changes. Leading Indian scientists should engage in public discourse, participate in the necessary review and planning processes, create new institutions of research and education, and help raise the level of existing centres. India does not lack brilliant young people who can create the science of the future, but they need to be given appropriate opportunities, visibility and engaged in decision-making. India has three national academies of science, but they play little role in either advising the government or representing the scientific community. The US benefits immensely from the advice it receives from the National Research Council, which produces over 400 reports a year for its departments. The Indian government also needs increased scientific input to address the many urgent problems of India.

Reforming governmental institutions is not simple, and allocating scarce resources for long-term payoffs is difficult. But both are necessary if India is to develop the science and technology necessary for its economic development and to take its rightful place among the scientific leaders of the world.

<https://indianexpress.com/article/opinion/columns/discover-invent-in-india/>



ENDNOTES

It's easy to talk big, but the important thing is whether or not you clean up the shit.

– Haruki Murakami

DAVID GROSS, PHYSICS NOBELIST

How the influencer influences



David Gross and students: Frank Wilczek, Ulf Danielsson, Edward Witten

DAVID GROSS is a wrong-headed influencer in physics. His own Nobel-winning discovery was a sham. Then, with his Nobel power, he has been forcefully installing the froufrou sciences of String Theory and Multiverse, and fraud sciences of Big Bang, Cosmic Blackbody, Black Holes and LIGO. He likely influenced the many awards of the Prize in these areas. He has the authority to nominate for Nobel.

FRANK WILCZEK is an advisor to the Swedish physics establishment. When Wilczek speaks, Swedes listen. As a Nobel Laureate himself (for the said sham discovery), he has the authority to nominate. He also has deep depth.

ULF DANIELSSON is one of the physic Nobel Prize decision-makers, and a public face for the Nobel Committee.

EDWARD WITTEN is a Breakthrough Prize decision-maker. This way he has bolstered the aforementioned areas. As winner of the Crafoord Prize, Witten also holds sway over the Royal Swedish Academy of Sciences that gives out the Nobel Prize. He is officially connected to Vatican science.

This dynasty has bastardized physics to suit themselves, and gaslighted the world into an opium-divan stupor.

Nobel Prize Lessons

INSPIRATIONAL PROFILES OF CEREBRAL FRAUDS



PROFILE OF DAVID GROSS



SPIRIT OF DISCOVERY: When Gross plotted experimental data on his discovery (theory) curve, he compressed the graph scale greatly to accommodate large error bars of uncertain data points. This had the effect of masking the fact that good data points with tight error bars in another region negated his discovery.

PATRIOTISM: We freely criticize our national leader in our own land. But Gross is an international man. At the Nobel Week festivities in Stockholm in December, he joined the Swedish Trump-bashing to get a few laughs. All that fancy food and grog can make you do tricks!

GUARDIAN OF THE ENVIRONMENT: Gross will lecture you on being a good steward of the environment while blowing puffs of cigarette smoke onto your face.

A SPIRITED BETTOR: When Gross sees a chance to get some heady limelight, he challenges you on-camera to a duel, like a Swashbuckling Knight. Afterwards, when the cameras are away, he stiffs you. Some derring-do!

Duty to Inform

A world education message from Bibhas De 12/15/2017

CONCLUSIONS

GRAPHICAL COMPARISON OF THEORY AND EXPERIMENTAL DATA ACTUALLY *DID NOT* PROVE THAT DAVID JONATHAN GROSS HAD MADE A DISCOVERY. BUT HE USED HIS DISCOVERER IMPRIMATUR TO DO HARM – RELENTLESSLY COVERING UP SCIENCE FRAUD AND DISMISSING EVIDENCE THEREOF. HE ALSO APPEARS TO BE A BEHIND-THE-SCENES INFLUENCER OF THE NOBEL PRIZE, WITH A DYNASTIC POWER BASE. EVERY YEAR THAT GOES BY MAKES IT CLEARER THAT HIS PET STRING THEORY, WHEN ALL IS SAID AND DONE, WILL BE REMEMBERED AS AN EFFICIENT WAY TO CONVERT WISPY NOTHINGS TO CRISPY GREENBACKS - FLYING INTO SELECT POCKETS. THE SAHIB PROMOTES HIMSELF AS THE SAVIOR OF AN INDIA HE SEES AS BEING DEEPLY TROUBLED ON MULTIPLE FRONTS. HE WANTED A PRIVATE MEETING WITH THE INDIAN PRIME MINISTER TO TELL HIM HOW TO FIX SCIENCE. HE TOLD INDIAN SCIENTISTS TO THEIR FACE THAT THEIR "GENERAL STANDARD IS STILL VERY LOW." HE THEN TRIED TO INDUCT SOME OF THEM INTO THE WESTERN MEGA-TREND OF PHYSICS MEGA-FRAUD.